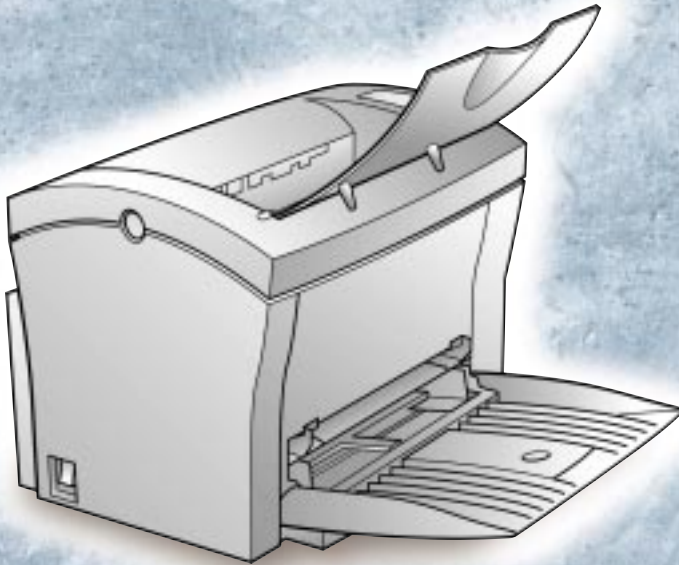


PagePro 1100L

User's Manual





As an ENERGY STAR[®] Partner, we determined that this machine meets the ENERGY STAR[®] Guidelines for energy efficiency.

What is an ENERGY STAR[®] product?

ENERGY STAR[®] product has a special feature that allows it to automatically switch to a “low-power mode” after a period of inactivity. An ENERGY STAR[®] product uses energy more efficiently, saves you money on utility bills and helps protect the environment.

Safety Information

Laser Safety

This is a page printer which operates by means of a laser. There is no possibility of danger from the laser, provided the printer is operated according to the instructions in this manual.

Since radiation emitted by the laser is completely confined within protective housing, the laser beam cannot escape from the machine during any phase of user operation.

Internal Laser Radiation

Maximum Radiation Power:

0.6 mW at laser aperture of the print head unit

Wavelength:

770–810 nm

This product employs Class IIb Laser Diode that emits an invisible laser beam.

Laser Diode and Scanning Polygon Mirror are incorporated in the print head unit.

The print head unit is not a field service item.

Therefore, the print head unit should not be opened under any circumstance.

Laser Safety

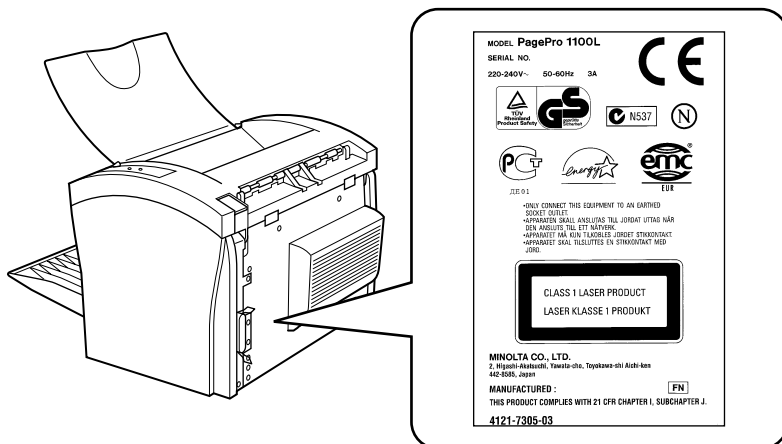
This printer is certified as a Class I Laser product under the **U.S. Department of Health and Human Services (DHHS)** Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. This means that the printer does not produce hazardous laser radiation.

Foreword

CDRH Regulations

The **Center for Devices and Radiological Health (CDRH)** of the U.S. Food and Drug Administration implemented regulations for laser products on August 2, 1976. Compliance is mandatory for products marketed in the United States. The label shown below indicates compliance with the CDRH regulations and must be attached to laser products marketed in the United States.

Laser Safety Label



Caution

- ◆ Use of controls, adjustments or performance of procedures other than those specified in this manual may result in hazardous radiation exposure.

Caution

- ◆ This is a semiconductor laser. The maximum power of the laser diode is 5 mW and the wavelength is 770–810 nm.

For Denmark Users

ADVARSEL

- ◆ **Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.**
Klasse 1 laser produkt der opfylder IEC60825 sikkerheds kravene.

Dansk: Dette er en halvlederlaser. Laserdiodens højeste styrke er 5 mW og bølgelængden er 770–810 nm.

For Finland, Sweden Users

LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT

VAROITUS!

- ◆ **Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.**

Tämä on puolijohdelaser. Laserdiodin suurin teho on 5 mW ja aallonpituus on 770–810 nm.

VARNING

- ◆ **Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.**

Det här är en halvledarlaser. Den maximala effekten för laserdioden är 5 mW och våglängden är 770–810 nm.

VARO

- ◆ **Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.**

VARNING

- ◆ **Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.**

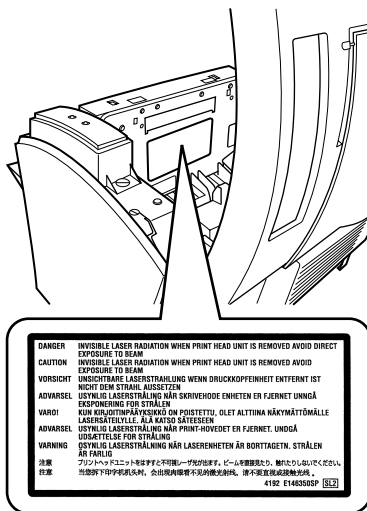
For Norway Users

ADVARSEL

- ◆ Dersom apparatet brukes på annen måte enn spesifisert i denne bruksanvisning, kan brukeren utsettes for usynlig laserstråling som overskrider grensen for laser klass 1.

Dette en halvleder laser. Maksimal effekt till laserdioder er 5 mW og bølglengde er 770–810 nm.

Laser Caution Label



User Instructions

CE Marking (Declaration of Conformity)

We declare under our sole responsibility that the printer and options to which this declaration relates are in conformity with the specifications below.

This declaration is valid for the area of the European Union (EU) only.

Product Type	Laser Beam Printer
Product Name	PagePro 1100L
Options	Second Paper Cassette Unit (4148-611) Face-Up Tray (4121-0633)

Foreword

Standard	Safety: EN60 950/1992 with Amendments 1, 2, 3, 4, A11 Safety of information technology equipment, including electrical business equipment EN60825-1/1994 with Amendment A11 Radiation safety of laser products, equipment classification, requirements and user's guide EMC: EN55 022 (Class B)/1998 Limits and method for measurement of radio disturbance characteristic of information technology equipment (ITE) EN61000-3-2 (Class A)/1995 (A13) Electromagnetic compatibility (EMC) Part 3: Limits Section 2: Limits for harmonic current emissions (equipment input current ≤ 16A per phase) EN61000-3-3/1995 Electromagnetic compatibility (EMC) Part 3: Limits Section 3: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current ≤ 16A EN55024/1998 Information technology equipment – immunity characteristics – Limits and methods of measurement EN61000–4–2/1995 Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 2: Electrostatic discharge immunity test EN61000–4–3/1995 Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 3: Radiated, radio-frequency electromagnetic field immunity test EN61000–4–4/1995 Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 4: Electrical fast transient/burst immunity test EN61000–4–5/1995 Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 5: Surge immunity test EN61000–4–6/1996 Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 6: Conducted disturbances induced by radio-frequency fields – Immunity test EN61000–4–8/1993 Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 8: Power-frequency magnetic field immunity test EN61000–4–11/1994 Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 11: Voltage dips, short interruptions and voltage variations immunity test
EC Directive	Safety: 73/23/EEC EMC: 89/336/EEC and 93/68/EEC

This device must be used with shielded interface (Parallel) cable.

The use of non-shielded cable is likely to result in interference with radio communications and is prohibited under 89/336/EEC rules.

Ozone Release

During printer operation, a small quantity of ozone is released. This amount is not large enough to harm anyone adversely. However, be sure the room where the machine is being used has adequate ventilation, especially if you are printing a high volume of materials, or if the machine is being used continuously over a long period.

Welcome

And thank you for selecting a Minolta/QMS PagePro 1100L Printer! This *User's Manual* explains the functions of the printer and how it operates. It also provides you with troubleshooting tips as well as general precautions you should observe when operating the printer. To ensure the top performance and effective use of your printer, read this manual carefully from cover to cover, and keep it at hand for later reference.

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The contents of this manual are subject to change without notice.

Should there be any discrepancy between the printed materials and the electronic-based resources provided with your printer, please refer to the printed materials as your primary resource.

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MEMO

Chapter

Introduction

1

Features

The various features listed below make the Minolta/QMS PagePro 1100L the perfect printer for any size office.

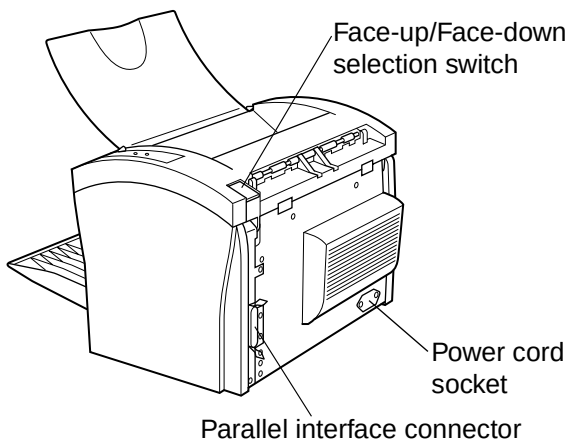
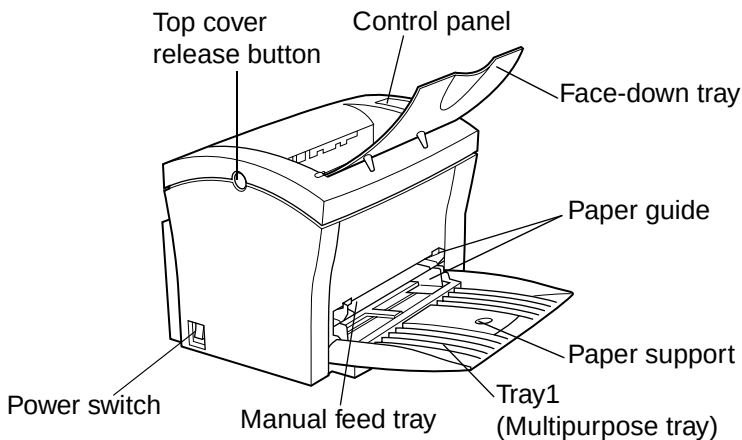
- Fast 10-page-per-minute print speed for instant output
- High performance processor optimized for Windows
- 600 × 600 dpi resolution for superior print quality
- Minolta QuickPage technology for fast Windows printing
- Optional 650 sheet maximum paper capacity to accommodate workgroup demands

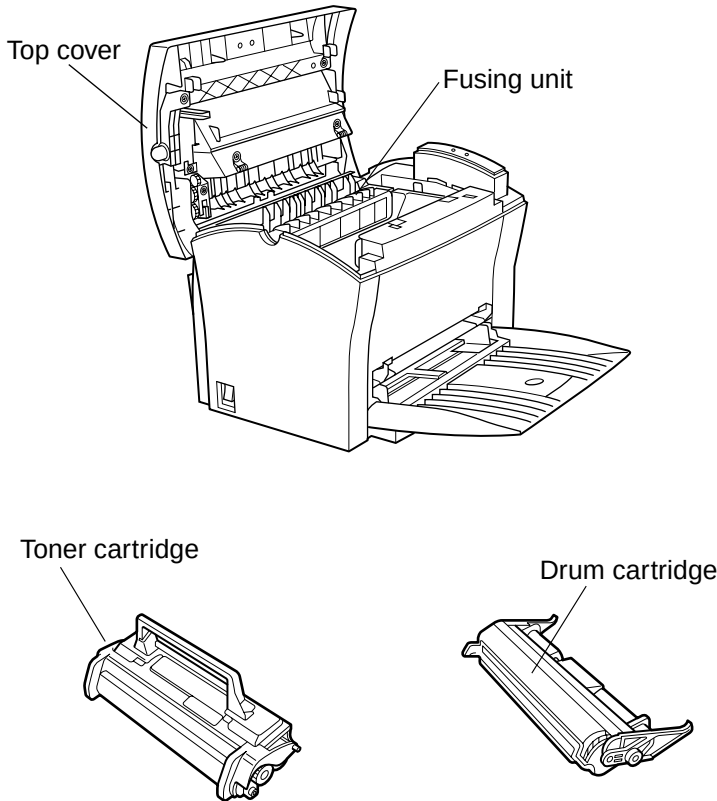
Operating System

- Windows 95
- Windows 98
- Windows NT 4.0

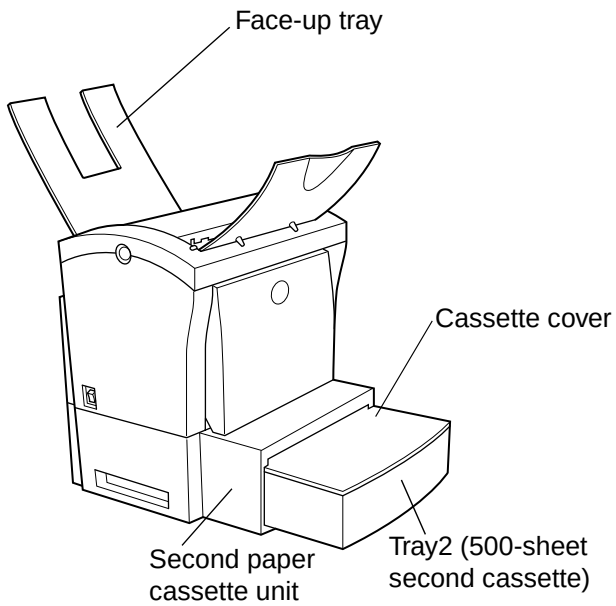
Printer Parts and Accessories

Printer



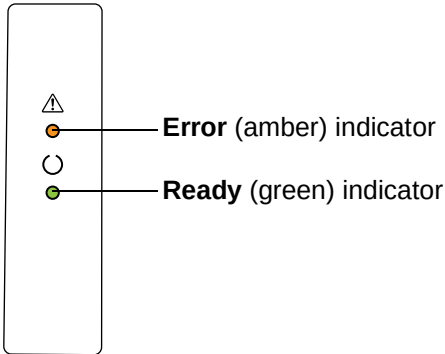


Options



Control Panel

The control panel has two indicators.



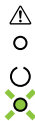
Indicators

The two indicators turn on, off, or blink in combination to let you know the current status of the printer.

Note

- ◆ You can find out details of the printer's status by checking the information that appears on your computer screen (see "Starting Up the Status Display" on page 5-12).
- ◆ See "Indicator Lights (Printer Messages)" on page 7-17 for information about how the control panel indicators indicate the current status of the printer.

ex.)



Printer is ready.



Paper misfeed

MEMO

Chapter 1

Introduction

Chapter

Setting-Up

2

Installation Precautions

Note the following important precautions when selecting a location for the printer and when connecting it to a power source.

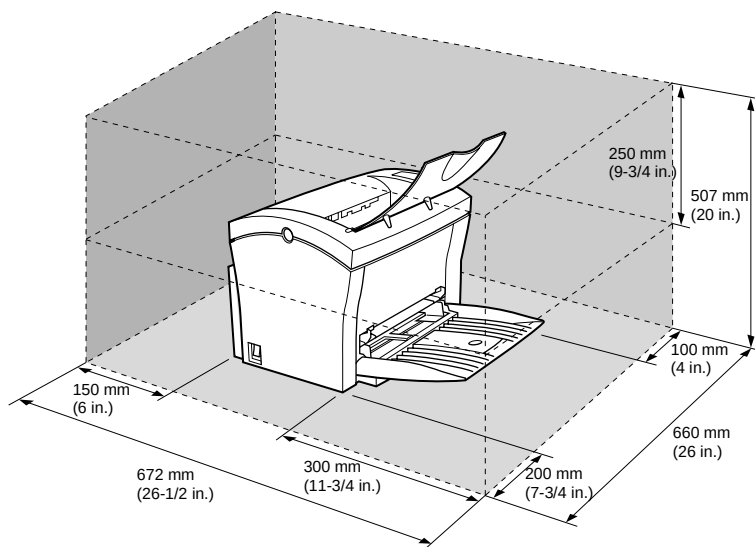
Selecting a Location for the Printer

A proper location helps to ensure that your printer provides you with the long service life for which it is designed. Double-check to make sure that the location you select has the following characteristics.

- Choose a location that is well-ventilated.
- Make sure there is no chance of ammonia or other organic gasses being generated in the area.
- The power outlet you plan to connect to for power should be nearby and unobstructed.
- Make sure that the printer is not exposed to direct sunlight.
- Avoid areas in the direct airflow of air conditioners, heaters, or ventilators, and areas subjected to temperature and humidity extremes.
- Choose a sturdy, level surface where the printer will not be exposed to strong vibration.
- Keep the printer away from any objects that might block its heat vents.
- Do not locate the printer near curtains or other combustible objects.
- Choose an area where there is no possibility of the printer being splashed with water or other liquids.
- Make sure that the surrounding area is clean, dry, and free of dust.

Space Requirements

Be sure to provide space around the printer as indicated below, to ensure easier printer operation, paper and toner replacement, and maintenance.



Power Source

The following are the power source requirements for this printer.

Power supply:

220–240 V at 50–60 Hz

Voltage fluctuation:

220–240 V $\pm 10\%$

Frequency fluctuation:

Within ± 3 Hz

Note

- ◆ Use a power source with minimal voltage and frequency fluctuation.
- ◆ Only use an outlet that is rated for the voltage capacity specified for this printer.
- ◆ Be sure to plug the power cord all the way into the outlet. The outlet should be located near the printer and be easily accessible so you can unplug the power cord immediately should any problem occur.
- ◆ Make sure the outlet you use is visible, and not hidden behind the printer or any other object.
- ◆ If any other electrical equipment is plugged into the same outlet, make sure that the capacity of the outlet is not exceeded.
- ◆ If you use an extension cord, make sure its capacity is greater than the power consumption of the printer. Using an extension cord with a lower capacity creates the danger of fire.
- ◆ Never use a multiple socket to connect other appliances or machines to the same outlet being used to power the printer.

Installation Precautions

Grounding

Always ground the printer to guard against the danger of electrical shock. To ground the printer, connect the grounding wire to the ground terminal of the electrical outlet you are plugging in to or to a grounding contact that complies with local electrical standards in your area.

Note

- ◆ Never connect the grounding wire to a gas pipe, the grounding wire for a telephone, or to a water pipe.

Operational Precautions

Note the following important precautions whenever using the printer.

Operating Environment

The following describes the operating environment required when using the printer.

Temperature:

10°C to 35°C (50°F to 95°F) with fluctuation of 10°C (18°F) per hour

Humidity:

15% to 85% with fluctuation of 20% per hour

Printer

The following describes precautions for using the printer.

- Never turn the printer off or open any of its covers during a print operation.
- Never place flammable gasses, liquids or objects that generate magnetic forces near the printer.
- When unplugging the power cord, always grasp the plug and never pull on the cord. A damaged cord creates the danger of fire or electrical shock.
- Never touch the power cord when your hands are wet. Doing so creates the danger of electrical shock.
- Always unplug the power cord before moving the printer. Failure to do so can damage the power cord, creating the danger of fire or electrical shock.
- Always unplug the power cord if you do not plan to use the printer for a long time.

Operational Precautions

- Never try to remove any secured panel or cover. The interior of the printer contains high-voltage circuitry which creates the danger of electrical shock when exposed.
- Never try to modify the printer. Doing so creates the danger of fire or electrical shock.
- Never place any heavy objects on the power cord, pull on it or bend it. Doing so creates the danger of fire or electrical shock.
- Always make sure the printer is not placed on the electrical cord or the communications cables of any other electrical equipment. Also make sure that cords and cables do not get into the printer's mechanism. Any of these conditions create the danger of malfunction and fire.
- Always take care so that paper clips, staples, or other small pieces of metal do not get into the printer through its vents or other openings. Such objects create the danger of fire or electrical shock.
- Do not allow water or other liquids to spill on or near the printer. Fire or electrical shock can occur should water or liquid come into contact with the printer.
- Should liquid or any piece of metal accidentally get inside the printer, immediately turn it off, unplug the power cord, and contact your dealer. Failure to take this immediate action creates the danger of fire or electrical shock.
- Whenever the printer emits unusually high amounts of heat, smoke, an unusual odor, or noise, immediately turn it off, unplug it, and contact your dealer. Failure to take this immediate action creates the danger of fire or electrical shock.

Caution

- ◆ **Be sure to locate the printer in a well-ventilated location. A minimal amount of ozone is generated during normal operation of this printer. Because of this, an unpleasant odor may result when the printer is used for extensive printing in a poorly ventilated area. For comfortable, healthy, and safe operation, be sure to locate the printer in a well-ventilated area.**

Attention

- ◆ **Placer l'imprimante dans une pièce largement ventilée**
Une quantité d'ozone négligable est dégagée pendant le fonctionnement de l'imprimante quand celle-ci est utilisée normalement. Cependant, une odeur désagréable peut être ressentie dans les pièces dont l'aération est insuffisante et lorsqu'une utilisation prolongée de l'imprimante est effectuée. Pour avoir la certitude de travailler dans des conditions de confort, santé et sécurité, il est préférable de bien aérer la pièce où se trouve l'imprimante.

Printer Supplies

Note the following precautions when handling printer supplies such as the toner cartridge, the drum cartridge, and paper.

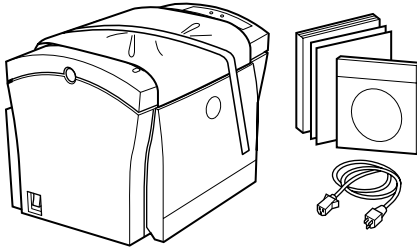
- Avoid storing printer supplies in the following locations.
 - Areas subjected to direct sunlight. Additionally, the drum cartridge must be protected from fluorescent light.
 - Areas exposed to open flame.
 - Areas subjected to high humidity.
 - Areas subjected to large amounts of dust.
- Keep paper that has been removed from its wrapper, but not yet loaded onto the printer tray, in a sealed plastic bag and store it in a cool, dark location.
- Use only the toner cartridge that is expressly specified for this printer.
- Keep supplies out of the reach of children.
- Should your hands become soiled with toner, immediately wash them with soap and water.

Caution

- ◆ **Whenever you remove the drum cartridge from the printer, immediately wrap it with a cloth to protect it against overexposure to light.**

Installing

- 1 Take the items and accessories shown below out of the carton.



1. Printer
2. Accessories
 - User's Guide
 - CD-ROM
 - Power cord
 - Warranty booklet
 - Registration card
 - Power Cord Instructions

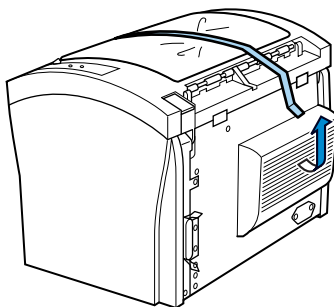
Caution

- ◆ After unpacking, keep all packing materials out of the reach of children.

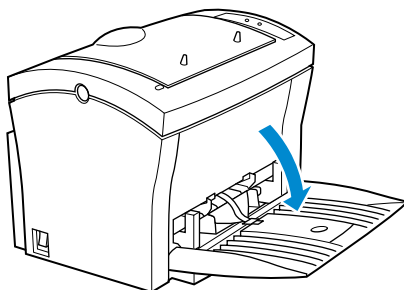
Note

- ◆ Keep all the boxes and packing materials that the printer comes in for later use when transporting the printer.

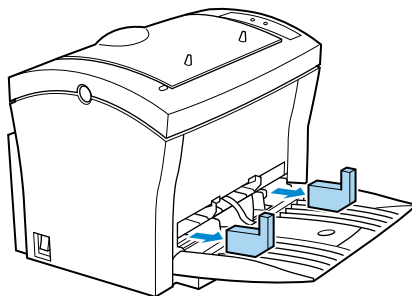
- 2 Remove the plastic bag and peel off the shipping tape from the printer.



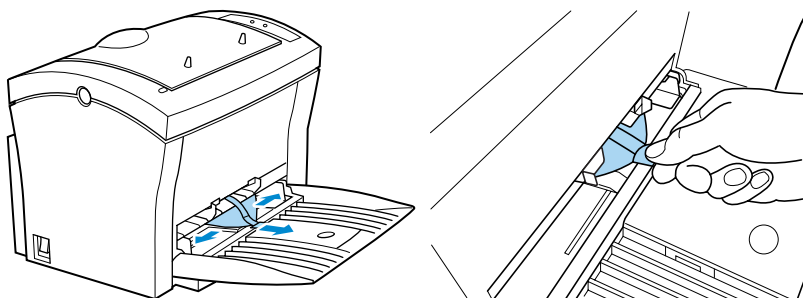
- 3 Pull the **Tray1** from the printer with both hands and lie it down flat.



- 4 Pull out the two cushions from the paper feed inlet.



- 5 Squeeze the right paper size guide and open the paper size guides. Pull out the plastic-lead strip from the paper feed inlet.

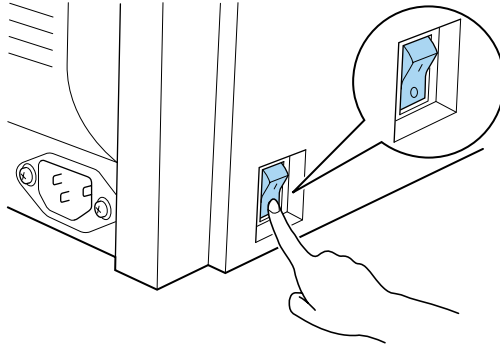


For instructions on installing the optional item(s), see “Options” on page 2-16.

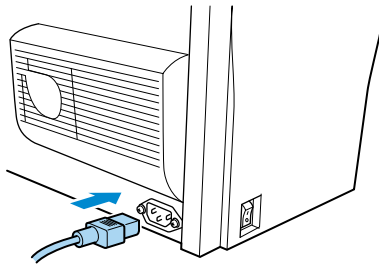
Setting-Up

Connecting the Power Cord

- 1 Make sure that the **power** switch is in the ○ (Off) position.

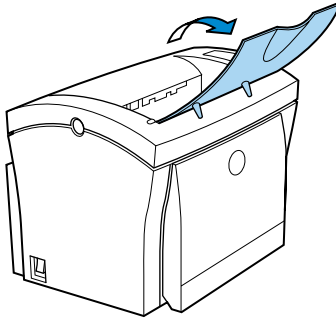


- 2 Connect one end of the power cord that comes with the printer to the power cord socket. Plug the other end into a power outlet.

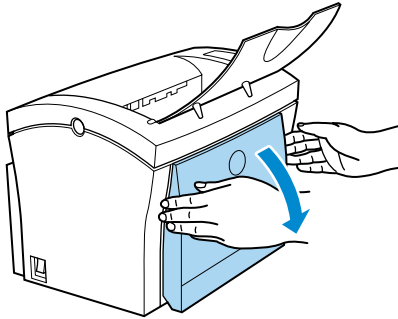


Loading Paper

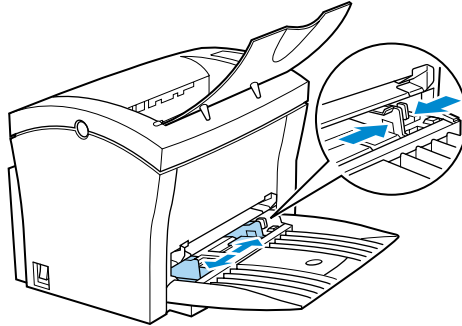
- 1 Open the **face-down tray**.



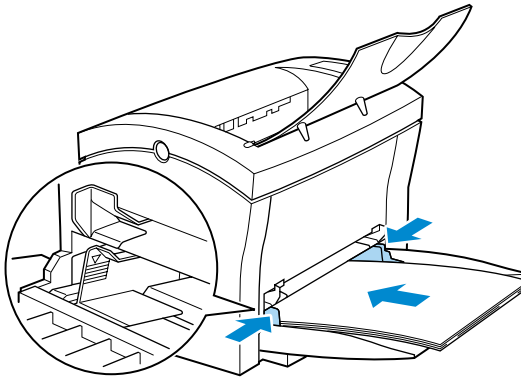
- 2 Pull **Tray1** from the printer with both hands and lie it down flat.



- 3 Squeeze the right paper guide and open the paper guides.



- 4 Place a stack of paper in the center of **Tray1**. Squeeze the right paper guide and adjust the paper guides so that both the left and right sides of the paper stack are secure.



Connecting to a Computer

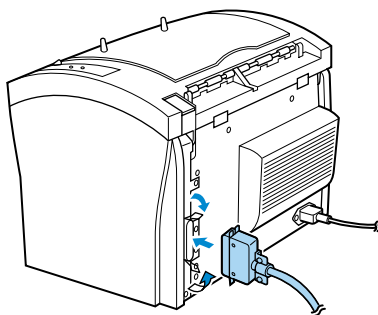
Caution

- ◆ Always use a shielded interface cable. Use of an unshielded cable can result in radio interference with data.

Note

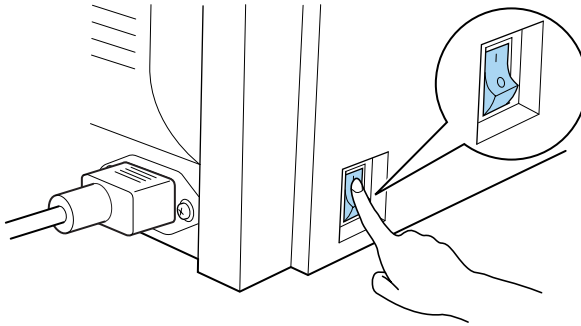
- ◆ You must purchase an IEEE 1284 type-B cable for connection between the printer and a computer. For detailed specifications of the interface cable, see “Interface Connector and Cable” on page 8-5.
- ◆ Minolta does not warrant the use of any particular cable. The user assumes all responsibility as to the quality and performance of the cable.

- 1 Make sure that the printer and the computer you are connecting it to are both turned off.
- 2 Connect one end of the interface cable to the parallel port of the computer.
- 3 Connect the other end of the interface cable to the parallel interface connector on the back of the printer. Secure the interface cable using the two clips on the parallel interface connector.



Turning on the Printer

- After connecting the printer to a power outlet, press the **power** switch to turn it on.



When the printer is turned on, both indicators on the control panel light up, and then the **Error** indicator goes off while the **Ready** indicator stays on. After about 23 seconds, the printer is finished warming up and is ready to begin printing.

Note

- ◆ The printer automatically enters a power saving mode after about 15 minutes in which it does not receive a print command from the computer. Whenever the printer receives a print command while in the power saving mode, it will automatically start to warm up before printing.

Options

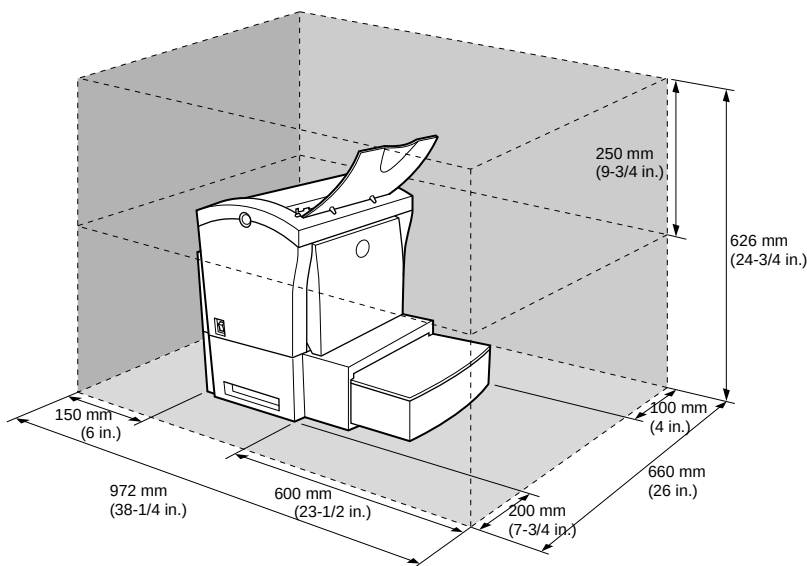
This section describes the optional items that are available for this printer.

Second Paper Cassette Unit

The **second paper cassette unit** comes equipped with a cassette that can hold up to 500 sheets of Letter size paper called **Tray2**.

The same unit can accommodate a variety of other paper trays as well (Legal, Executive, A4 and B5). Contact your dealer to find out how you can add these trays to increase the capabilities of your printer.

Space Requirements

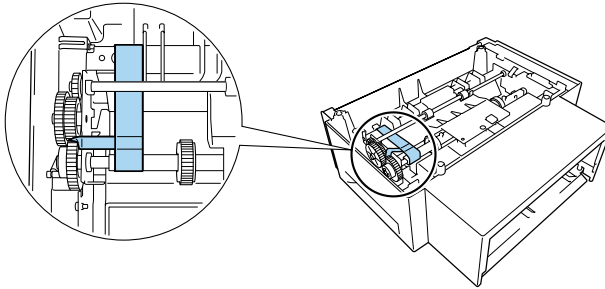


Installing the Second Paper Cassette Unit

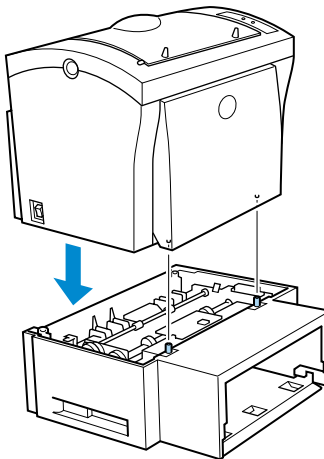
- 1 Remove the **second paper cassette unit** and **Tray2** from their packaging, including the protective tape used to hold the various components in place.

Note

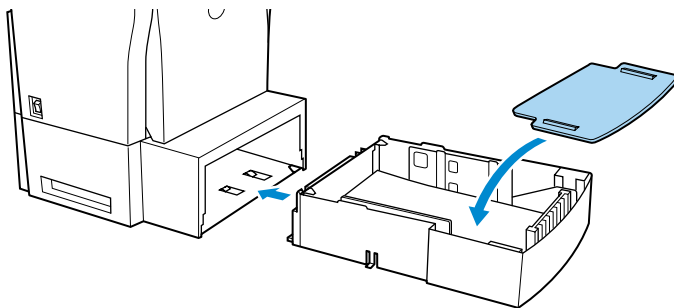
- ◆ Before installing the second paper cassette unit, be sure to remove the protective tape and the paper padding from the unit as shown in the illustration below.



- 2 Place the printer on top of the base unit. Make sure to align the coupling pins of the base unit with the holes located underneath the printer.

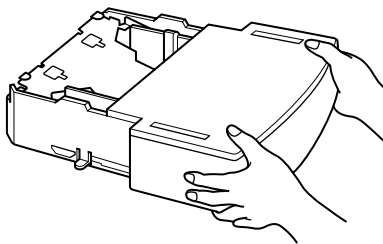


- 3 Load paper onto **Tray2**. See “Loading Paper onto Tray2 (Option)” on page 3-11 for details.
- 4 Insert **Tray2** into the **second paper cassette unit**.



Note

- ◆ Be sure to use both hands whenever **Tray2** is removed from or inserted into the **second paper cassette unit**.



Face-Up Tray

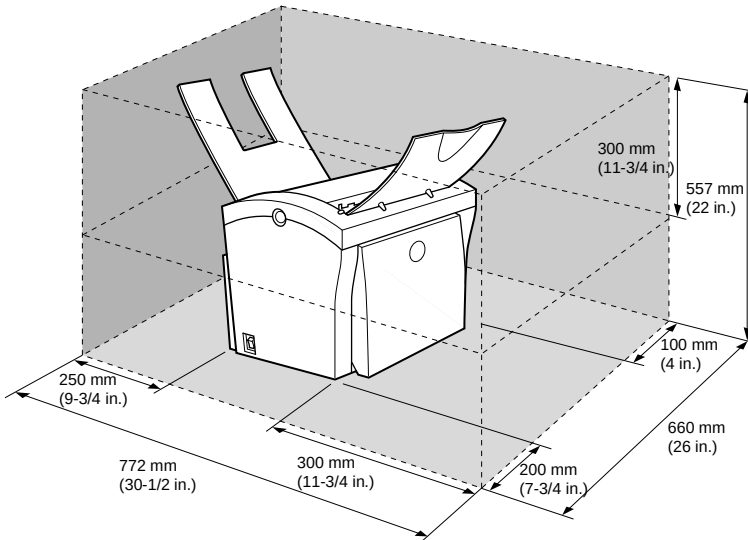
This **face-up tray** receives printed pages, printed side up, as they are output from the printer. Printed pages are not rolled during the printer's output sequence when this tray is used. For this reason, the **face-up tray** is recommended for thick paper or envelopes to avoid curling during the feeding process.

The maximum capacity of the **face-up tray** is 20 sheets.

Note

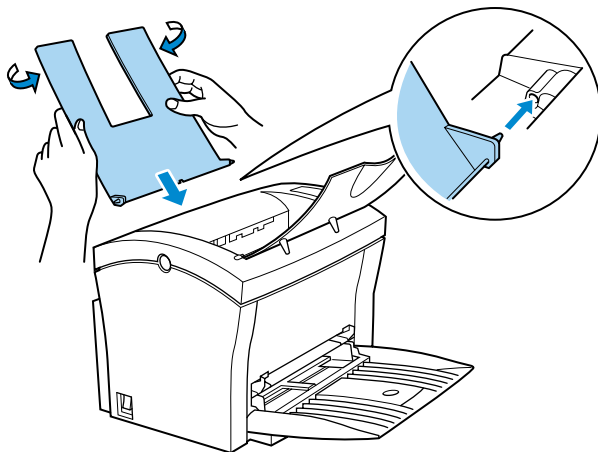
- ◆ For details on changing the output direction, see “Selecting Output Direction (Printed Side Up or Down)” on page 3-15.

Space Requirements



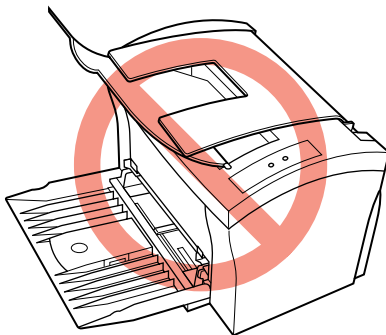
Installing the Face-Up Tray

- 1 Remove the **face-up tray** from its carton.
- 2 Gently bend the output tray inwards, toward the printer, with both hands. Align the insertion pins of the tray with the pin holders of the printer.



Note

- ◆ Never lay the **face-up tray** towards the front of the printer or apply excessive to it.



Chapter

Using the Printer

3

Printing Paper

Type

Caution

◆ This printer is designed to print on only the following types of paper.

Paper Source		Manual Feed Tray	Tray1	Tray2
Paper Type				
Plain Paper weight: 60 to 90 g/m ² (16 to 24 lbs.)		☐	☐	☐
Recycled Paper weight: 60 to 90 g/m ² (16 to 24 lbs.)		☐	☐	☐
Special Paper	Transparency Sheet	☐	☐	None
	Labels	☐	☐	None
	Letterhead	☐	☐	None
	Envelopes	☐	☐	None
	Thick Paper weight: 90 to 163 g/m ² (24 to 43-1/4 lbs.)	☐	☐	None

Size

Caution

◆ This printer is designed to print on only the following sizes of paper.

Standard sizes

Paper Source		Manual Feed Tray	Tray1	Tray2*1
Paper Size				
Standard Size	A4 210 mm × 297 mm	○	○	○*2
	A5 148 mm × 210 mm	○	○	None
	JIS B5 182 mm × 257 mm	○	○	○
	Legal 8-1/2 in.× 14 in.	○	○	○
	Letter 8-1/2 in. × 11 in.	○	○	○
	Executive 7-1/4 in. × 10-1/2 in.	○	○	○

*1. Each of the 5 cassettes of Tray2 support one of the 5 types of paper that are compatible with this printer.

*2. A4 is standard cassette size for the second paper cassette unit.

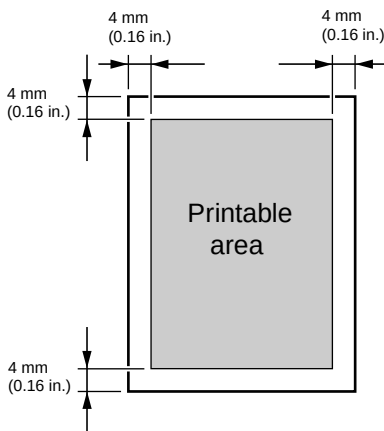
Envelope and Custom Size

Paper Source		Manual Feed Tray	Tray1	Tray2
Paper Size				
Envelope and Custom Size	Env. DL 110 mm × 220 mm	○	○	None
	Env. C5 162 mm × 229 mm	○	○	None
	Env. B5 176 mm × 250 mm	○	○	None
	Env. Com10 4-1/8 in. × 9-1/2 in.	○	○	None
	Env. Monarch 3-7/8 in. × 7-1/2 in.	○	○	None
	Custom Size 76 mm to 216 mm (3 in. to 8-1/2 in.) × 127 mm to 356 mm (5 in. to 14 in.)	○	○	None

- Envelopes are not supported in manual duplex printing, booklet printing and N-up printing.

Printable Area

This printer is designed to print on paper with a 4 mm (0.16 in.) margin on all sides.



Loading Paper

The following sources can be used to feed paper into the printer:

- Tray1
- Manual feed tray
- Tray2 (option)

Tray1 is the standard source for supplying paper to the printer. Various types and sizes of paper can be fed from this tray.

You can also add **Tray2** as a secondary paper source. See “Second Paper Cassette Unit” on page 2-16 for details on using this tray unit.

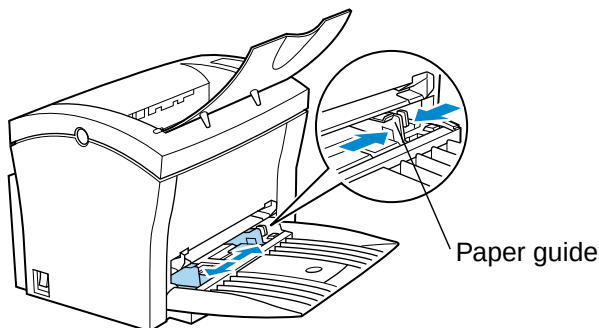
Whenever you are using special size paper, be sure to use the printer driver installed on the computer to specify the printing area. You may experience some variation in print quality when using special size paper.

Always remember that paper storage conditions greatly affect print quality. Store paper in its original package. Keep paper out of areas subject to extreme temperatures or humidity.

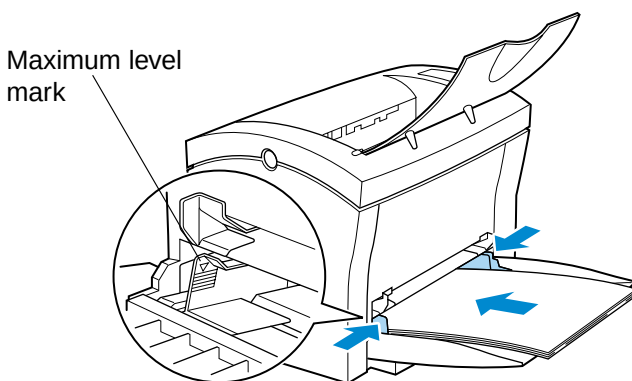
Loading Paper onto Tray1

You can load up to 150 sheets of standard paper onto Tray1. See “Printing Paper” on page 3-1 for details on paper sizes and types.

- 1 Squeeze the right paper guide and open the paper guides.

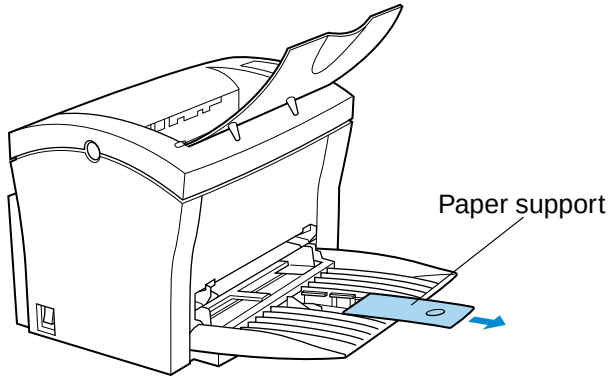


- 2 Place a stack of paper in the center of **Tray1**. Squeeze the right paper guide and adjust the paper guides so that both the left and the right sides of the paper stack are secure.



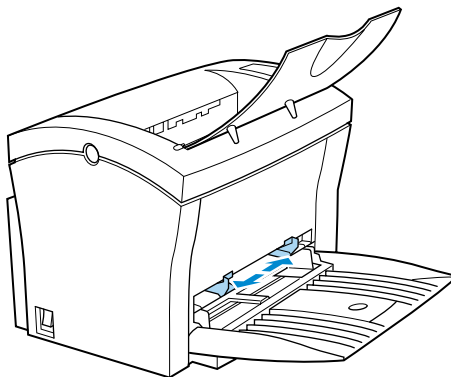
Note

- ◆ A **maximum level mark** on the paper guide shows how high you can stack paper on **Tray1**. Make sure that paper is stacked no higher than this mark.
- ◆ Do not load additional paper until the paper currently loaded onto **Tray1** is completely used.
- ◆ Pull out the **paper support** in **Tray1** when printing on Legal size paper.

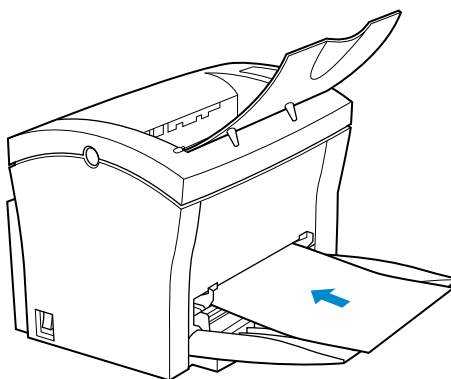


Manual Loading (Manual Feed Tray)

- 1 Open the paper guides.



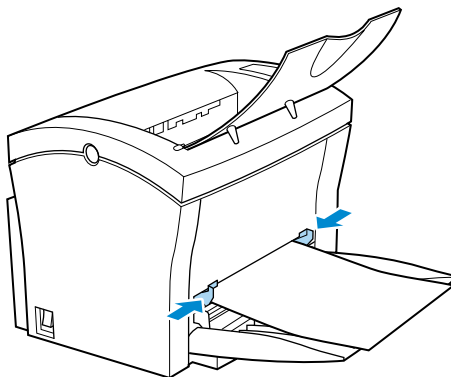
- 2 Insert the sheet of paper into the **manual feed tray** with the side to be printed facing up.



Note

- ◆ Insert only one sheet of paper at a time when feeding manually.

- 3** Adjust the paper guides so that both sides of the paper are secure.



Printing on Envelopes

The manual feed tray supports Commercial 10, Monarch, DL, C5, and B5 envelopes.

Note

- ◆ Because there is great variation in the quality of paper used for envelopes, we suggest that you produce test prints of various types before purchasing any envelope in large quantities for use with this printer.
- ◆ Make sure that all edges are creased sharply and that all flaps are folded correctly.
- ◆ Do not use envelopes that are self-adhesive. Use only envelopes that have standard sealing that sticks after it is moistened.
- ◆ Use envelopes of which flaps run the entire length of the envelope. Envelopes that seal at one end will not feed properly.
- ◆ Do not use envelopes that have a window. Such envelopes can seriously damage the printer.
- ◆ Do not use envelopes that are wrinkled.
- ◆ Never use envelopes that have clasps or any other type of fastener that can damage the printer.
- ◆ Do not store envelopes in an area that is subject to high humidity.

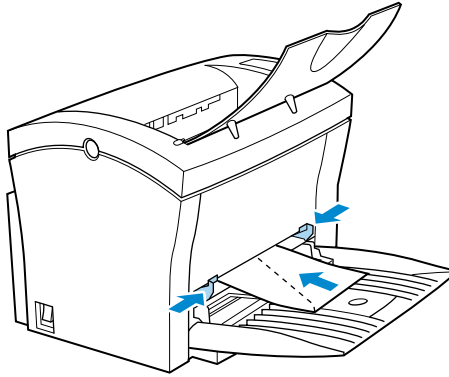
Loading Paper

- 1 Place the envelope with the side to be printed facing up on the tray. The flap of the envelope should be facing down and to the left.

Note

◆ Insert only one envelope at a time when feeding manually.

- 2 Make sure that the envelope is placed in the center of the tray and that it is secured by the paper guides.



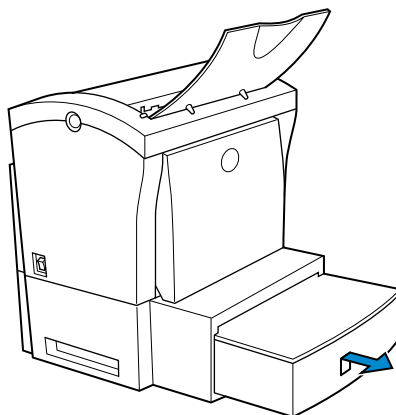
Loading Paper onto Tray2 (Option)

You can load up to 500 sheets of standard paper onto **Tray2**. See “Printing Paper” on page 3-1 for details on paper sizes and types.

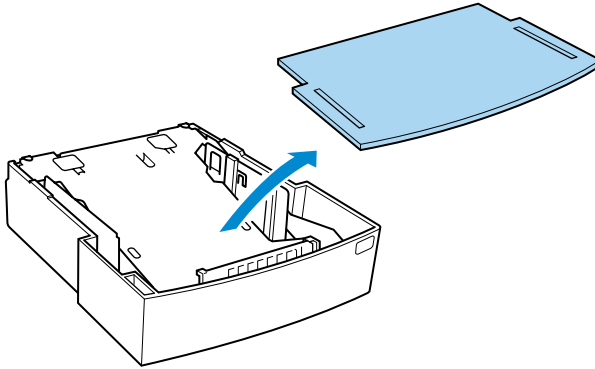
Note

- ◆ Make sure that the **Tray2** for the proper size of paper to be used for printing has been installed into the **second paper cassette unit**. See “Second Paper Cassette Unit” on page 2-16 for instructions on inserting (and removing) the **Tray2** into (and from) the **second paper cassette unit**.
- ◆ To remove **Tray2** from the unit, pull it out as far as it will go without force. Then gently raise the forward-end up, and remove **Tray2** from the unit.

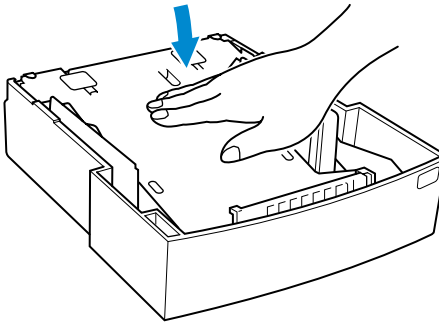
1 Slide **Tray2** out of the **second paper cassette unit**.



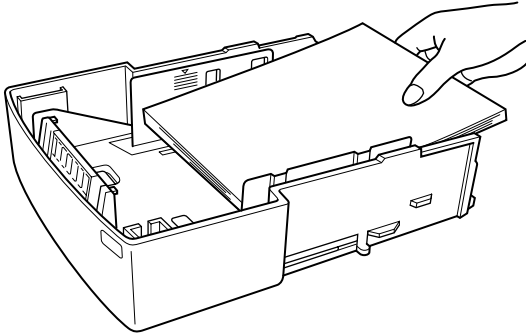
- 2 Remove the cassette cover from **Tray2**.



- 3 Press down on the paper lifting plate located inside of **Tray2** until it locks.

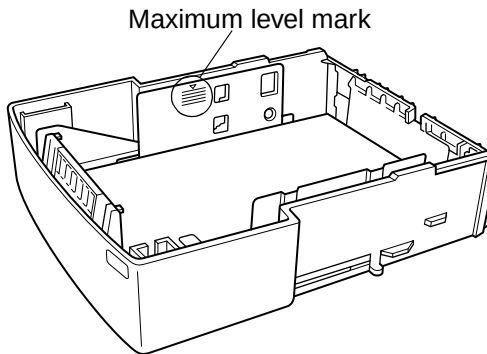


- 4 Place a stack of up to 500 sheets of paper into **Tray2** so that the side that was facing up when the paper was unwrapped is still facing up.



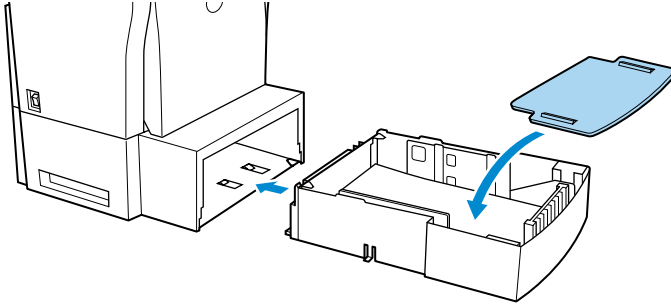
Note

- ◆ A **maximum level mark** inside the inlet of **Tray2** shows how high you can stack paper on **Tray2**. Make sure that paper is stacked no higher than this mark.



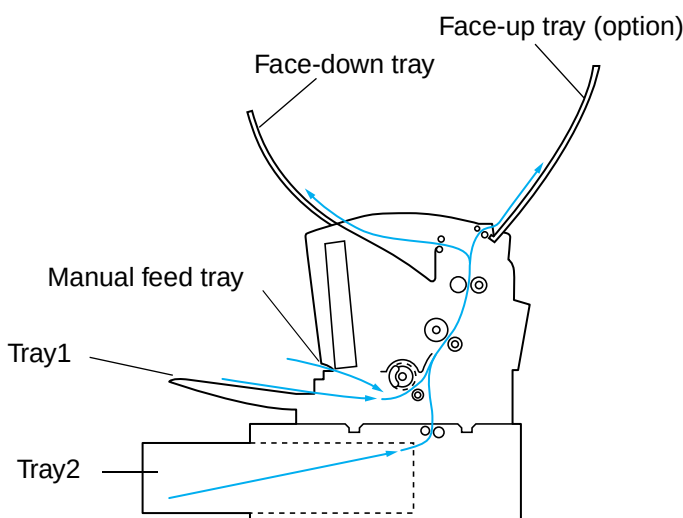
- ◆ **Tray2** does not support landscape oriented paper feeding.
- ◆ Do not load additional paper until all the paper currently on **Tray2** is completely used up.

- 5 Replace the cover and insert **Tray2** into the **second paper cassette unit**.



Selecting Output Direction (Printed Side Up or Down)

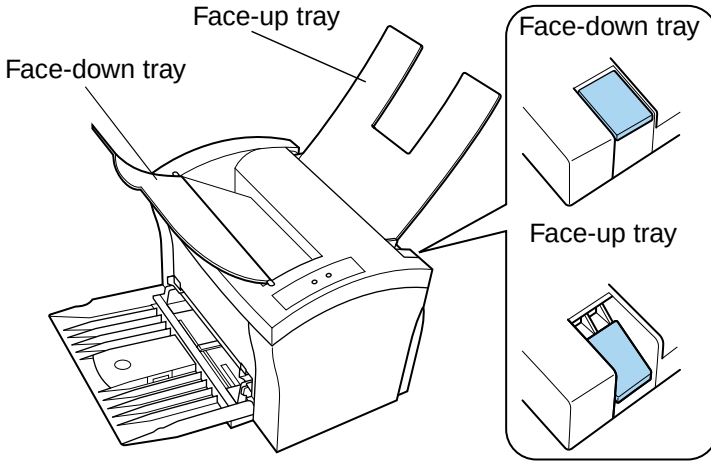
The optional **face-up tray**, as explained earlier in this section is a useful tool for printing on thick paper or envelopes printed side up. The factory default for the output tray however, is the **face-down tray** (printed side down). In this mode, the output tray receives the printed documents in order.



This setting is controlled by a switch which is located on the right side of the printer toward the rear.

- When the switch is flush with the top of the printer, prints are output printed side down (factory default).
- When the switch is pressed in, prints are output printed side up.

Selecting Output Direction (*Printed Side Up or Down*)



Note

- ◆ Do not use the switch to change the setting while the printer is operating.
- ◆ Whenever the **face-up tray** is not installed on the printer, check to make sure the set to switch for output to the **face-down tray** (see above illustration).

Chapter

Printer Driver

4

Introduction

The Minolta PagePro 1100L Printer Driver was specially developed to provide true Windows-based printing for users of the Minolta/QMS PagePro 1100L printer. The PagePro 1100L Printer Driver consists of three programs: Minolta PagePro Printer Driver, the Printer Console and the Printer Status Display.

Printer Driver:

This program is built into the operating system. It controls printer operations and enables proper printing.

Printer Console

This program provides a single central location where you can change configuration settings, and monitor and control print job.

Status Display:

This program displays information about the current status of the computer's local printer.

System Requirements

The following describes the minimum system requirements that are necessary to correctly run the Minolta PagePro 1100L Printer Driver.

Operating System: Microsoft Windows 95, Windows 98 or Windows NT 4.0

Personal Computer: IBM-compatible PC with at least a 386DX 16MHz CPU (Pentium processor recommended)

CD-ROM drive

I/O Interface: IEEE 1284 parallel

Memory: At least 16MB of PC RAM

Free Disk Space: Approximately 20MB for files

Installing the PagePro 1100L Printer Driver Under Windows 95/Windows 98/ Windows NT 4.0

This section provides information on installing the PagePro 1100L Printer Driver under Windows 95, Windows 98 or Windows NT 4.0.

You can use the following methods to install the PagePro 1100L Printer Driver.

	Windows 95	Windows 98	Windows NT 4.0
Using the auto-run Installer on the CD- ROM	○	○	○
Plug and Play Installa- tion	○	—	—
Using the Add Printer Wizard	○	○	—

○: Available

—: Not available

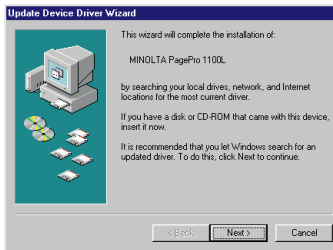
To Install the PagePro 1100L Printer Driver Using the Installer (Auto Run)

- 1** Turn on your computer and start up Windows 95, Windows 98 or Windows NT 4.0.

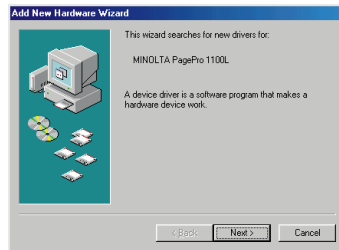
Note

- ◆ Under Windows 95 or Windows 98 when the **Update Device Driver Wizard** or **Add New Hardware Wizard** dialog appears on the display, click **Cancel**.

Windows 95



Windows 98



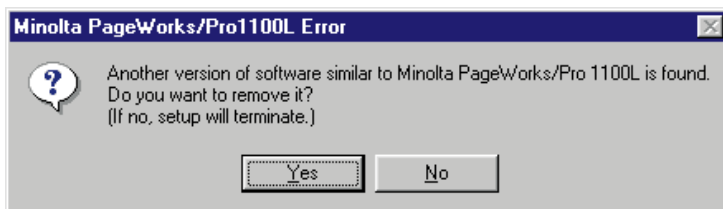
- 2** Insert the CD-ROM labeled **Minolta/QMS PagePro 1100L Printer Drivers** into your computer's CD-ROM drive.

- 3** The opening screen is automatically displayed.

Note

- ◆ The configuration of some computers may prevent the opening screen from appearing automatically. If the screen does not appear, double-click **Minolta.exe** from the CD-ROM.
- ◆ If you have older version of the PagePro 1100L printer driver already installed on your computer, the following dialog appears.

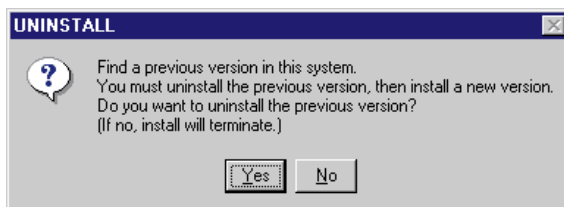
Under Windows 95/Windows 98



1. Click **Yes** to delete the old printer driver. (To quit the setup program, click **No**.)
2. When the following dialog appears, click **Yes** to start uninstalling the old printer driver.



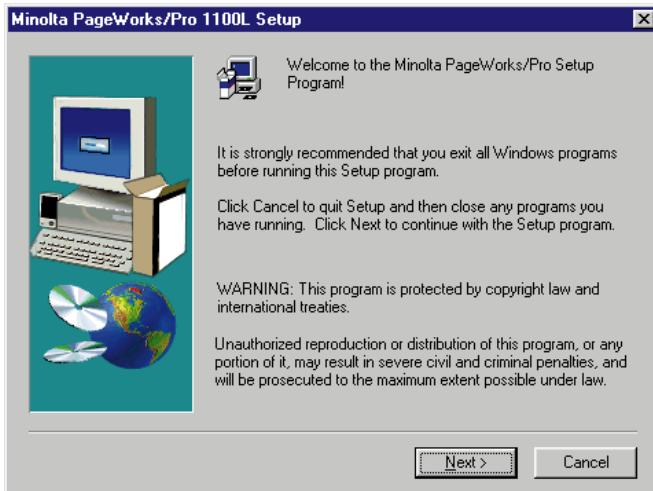
Under Windows NT 4.0



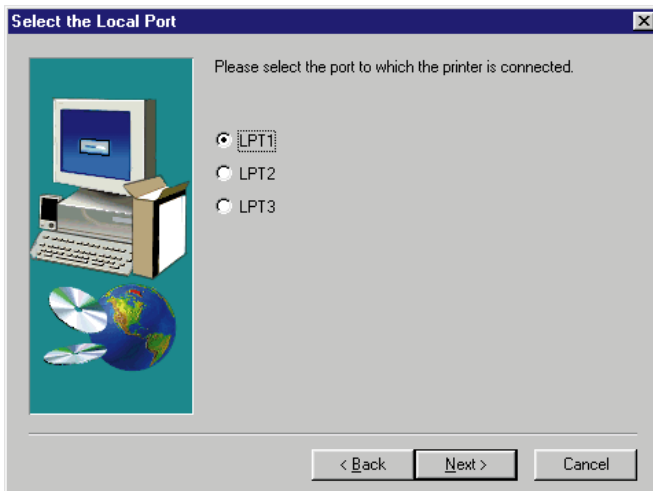
1. Click **Yes** to delete the old printer driver. (To quit the setup program, click **No**.)

Installing the PagePro 1100L Printer Driver Under Windows 95/Windows 98/Windows NT 4.0

- 4 Follow the instructions that appear on your computer screen to complete the installation.



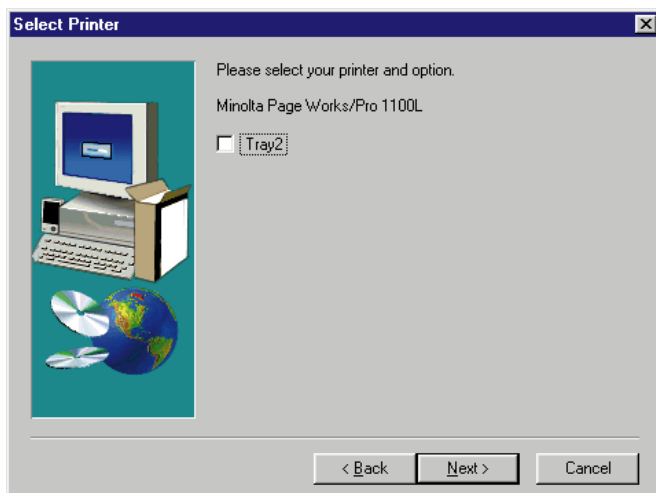
- 5 When the following dialog appears, select the port you want to use and click **Next**.



Caution

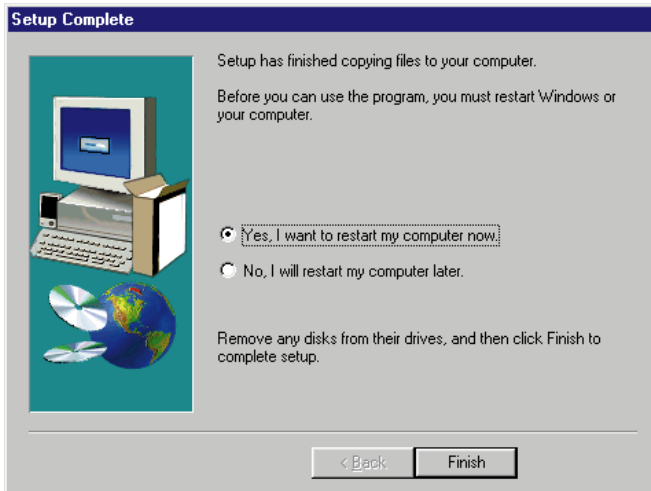
- ◆ If you intend to access the printer from a server running Windows 95, first install the printer's driver from the server using the Installer. The installer can be accessed through either the autorun program (minolta.exe) or the setup.exe of each language version. You will find the English setup.exe under the following path:
...\\Drivers\\PP1100L\\WinXX\\Gb\\Gdi\\Drv\\setup.exe (where "winXX" should be replaced by the version of the operating system being used).
- ◆ If you find that your printer is unable to print documents in a network environment, set the data-spool format of the client to RAW.

- 6 When the following dialog appears, check the **Tray2** box if the optional second paper cassette unit is installed onto your printer. Then click **OK** to display the next step.



Installing the PagePro 1100L Printer Driver Under Windows 95/Windows 98/Windows NT 4.0

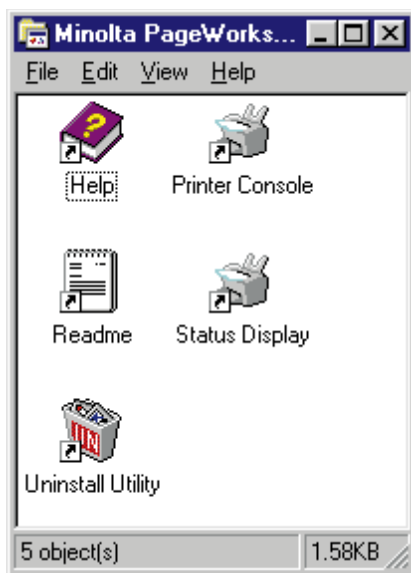
- 7 After the installation is completed, the following dialog appears. Click **Finish** to close the setup program window.



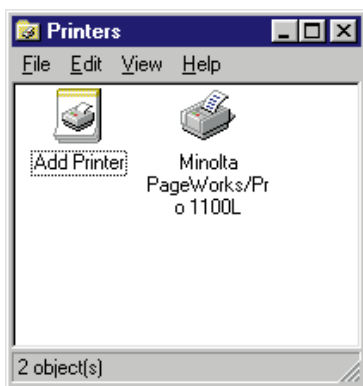
Note

- ◆ It is recommended that you restart your computer after installation.

- 8 After restarting the computer, the following dialog appears on the desktop of the computer.



- 9 Check that the **Minolta PageWorks/Pro 1100L** printer icon is displayed in the Printers dialog. To display the Printers dialog, click **Start**, point to **Settings**, and then click **Printers**.



- 10** Eject the CD-ROM labeled **Minolta/QMS PagePro 1100L Printer Drivers** from your computer's CD-ROM drive.

This completes the installation of Minolta PagePro 1100L printer driver.

To Install the PagePro 1100L Printer Driver Using Plug-and-Play

- 1** After connecting the printer to your computer, turn on the printer.
 - See “Connecting to a Computer” on page 2-14 for details on connecting the printer to your computer.
- 2** Turn on your computer and start up Windows 95.
- 3** Continue with step 4 when the **Update Device Driver Wizard** dialog shown below appears.

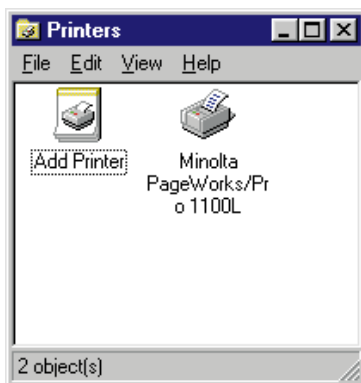


- 4 Insert the CD-ROM labeled **Minolta/QMS PagePro 1100L Printer Drivers** into your computer's CD-ROM drive, and then click **Next**.
 - In this example, we assume that **D:** is the name of the CD-ROM drive.
- 5 Click the **Other Locations** button, type **D:\driver\win9x\Disk1** and click **OK**.
- 6 Follow the instructions that appear on your computer screen to complete the installation.

Note

- ◆ An opportunity to designate a name for the printer will be provided during the installation procedure.
- ◆ It is recommended that you restart your computer after installation.

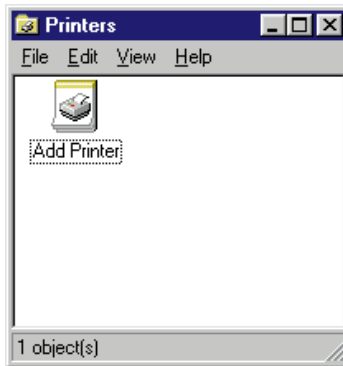
- 7 Check that the **Minolta PageWorks/Pro 1100L** printer icon is displayed in the Printers dialog. To display the Printers dialog, click **Start**, point to **Settings**, and then click **Printers**.



- 8** Eject the CD-ROM labeled **Minolta/QMS PagePro 1100L Printer Drivers** from your computer's CD-ROM drive.
This completes the installation of Minolta PagePro 1100L printer driver.

To Install the PagePro 1100L Printer Driver Using the Add Printer Wizard

- 1** Turn on your computer and start up Windows 95 or Windows 98.
- 2** Insert the CD-ROM labeled **Minolta/QMS PagePro 1100L Printer Drivers** into your computer's CD-ROM drive.
 - When the initial screen appears, click **Quit** to close it.
- 3** Click **Start**, point to **Settings**, and then click **Printers**.
- 4** Double-click the **Add Printer** icon.



- 5** After performing the steps under “To Install the PagePro 1100L Printer Driver Using the Add Printer Wizard”, select **Local Printer** if the printer is connected directly to your computer's parallel port or select **Network Printer** if the printer is connected through a network.
- 6** Click **Next**.

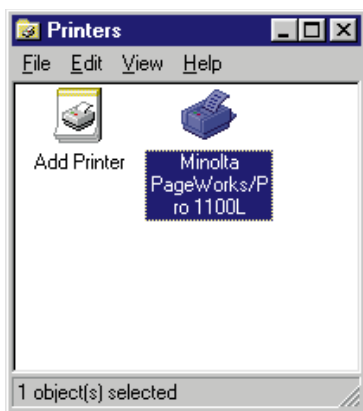
- 7** If you selected **Network Printer** in step 1 of this procedure, specify the network path and the network printer you want to use. If you selected **Local Printer**, skip this step.
- 8** Click **Have Disk**.
- 9** Browse to the CD-ROM drive and navigate to:
driver\win9x\Disk1. Next, click **OK**.
- 10** Click **OK** and then click **Next**.
- 11** Follow the instructions that appear on your computer screen to complete the installation.

Displaying the PagePro 1100L Printer Driver Setup Dialog

Note

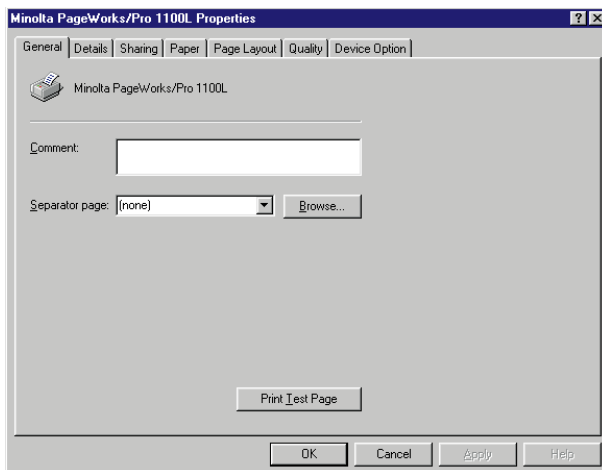
- ◆ The screen images below show the printer driver operating in a Windows 95 environment.

- 1 Click **Start**, point to **Settings** and then click **Printers** to display the Printers dialog.
- 2 In the Printers dialog, click the **Minolta PageWorks/Pro 1100L** printer icon.



3 Select **Properties** from the **File** menu.

The following window appears.



Using the PagePro 1100L Printer Driver

The printer driver provides you with control over a wide variety of printer parameters from your computer. The following sections provide an overview of the seven tabs of the printer driver's Properties dialog. The settings you make with the Properties dialog become the default settings for the Minolta PagePro 1100L Printer Driver.

For instructions on displaying the printer driver setup dialog, see "Displaying the PagePro 1100L Printer Driver Setup Dialog" on page 4-14.

Common Buttons

The buttons described below appear at the bottom of each tab.

OK

Click to exit the Properties dialog, saving any changes made.

Cancel

Click to exit the Properties dialog without saving any changes made.

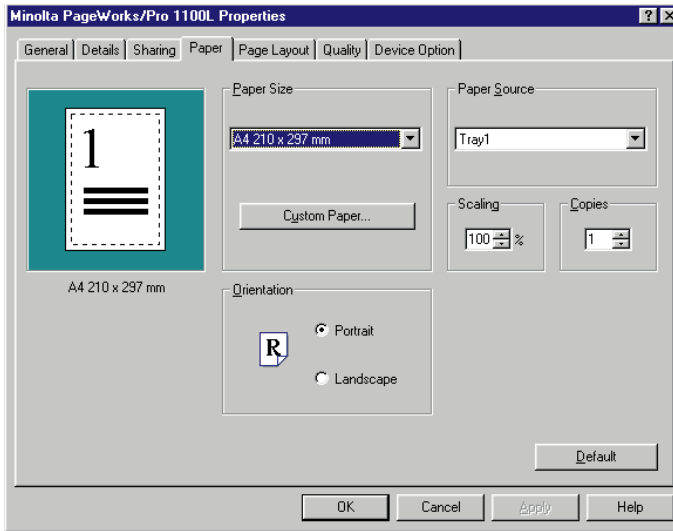
Apply

Click to save all changes without exiting the Properties dialog.

Help

Click to view online help.

Paper



Paper Size

Your printer supports the following paper and media sizes:

Paper

Letter	8-1/2 × 11 in.
Legal	8-1/2 × 14 in.
Executive	7-1/4 × 10-1/2 in.
A4	210 × 297 mm
A5	148 × 210 mm
JIS B5	182 × 257 mm
Custom Paper	76 to 216 mm × 127 to 356 mm, 3 to 8-1/2 in. × 5 to 14 in.

Envelopes

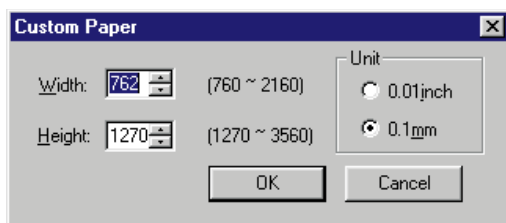
Monarch	3-7/8 × 7-1/2 in.
Com-10	4-1/8 × 9-1/2 in.
DL	110 × 220 mm
C5	162 × 229 mm
B5	176 × 250 mm

Important!

- ◆ Only A4, Letter, JIS B5, Executive, or Legal can be selected as the paper size when Tray2 is selected as the **Paper Source**.

Custom Paper

Click this button to display the Custom Paper dialog for defining the dimensions of the **Custom Size** option of the **Paper Size** list.



In the **Width** and **Height** boxes, type in the values you want to specify or use the arrow buttons to change the values. You can also use the **Unit** setting to select either inches or millimeters as the unit of measurement. When everything is the way you want, click **OK** to apply the new dimensions to the **Custom Size** option of the **Paper Size** list.

Copies

Use this item to specify the number of copies of each page you want to print. You can specify any value from **1** to **99**.

Paper Source

Use this setting to specify the tray that should be used to feed the specified size of paper into the printer. Paper sources include:

Tray1: This setting feeds paper from Tray1.

Tray2: This setting feeds paper from Tray2.

Manual: With manual feeding, you have to press the **Proceed** button on the status display or printer control panel to start printing of each document.

Orientation

This setting lets you control how the image is positioned on the printed page.

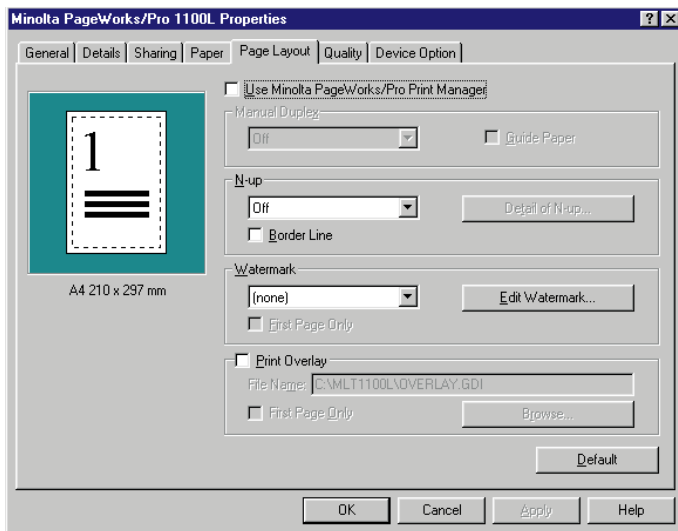
Portrait: Portrait documents are printed lengthwise on the page.

Landscape: Landscape documents are printed widthwise on the page.

Scaling

Use this setting to control the size of the image on the printed page. Type in the value you want to specify or use the arrow buttons to change the value. You can specify a value within the range of 50% (half the original size) to 200% (double the original size).

Page Layout



Use Minolta PageWorks/Pro Print Manager

Check this option to turn on print spooling and enable the **Manual Duplex** settings.

Manual Duplex

The **Manual Duplex** settings all appear dimmed until you check **Use Minolta PageWorks/Pro Print Manager**. After checking **Use Minolta PageWorks/Pro Print Manager**, use the **Manual Duplex** settings to control printing on both sides of the paper and the binding edge of the document.

Manual Duplex is available only when **Tray1** is selected as the **Paper Source**.

Off: This option turns off Manual Duplex and prints on only one side of the paper.

Bind Long Edge: This setting prints on both side of paper such as Book Style.

Bind Short Edge: This setting prints on both side of paper such as Calendar Style.

Booklet Left: This setting prints documents in book format, with the second and third pages of the document facing each other.

Important!

- ◆ **Booklet Left** cannot be used in combination with **N-up**.

Booklet Right: This setting prints documents in book format, with the binding on the right side.

Important!

- ◆ **Booklet Right** cannot be used in combination with **N-up**.

Guide Paper: When **Guide Paper** is turned on (checked), a direction guide paper is printed at the beginning of the first print run. The direction guide paper has an arrow that indicates the direction the paper should be reinserted into the printer for the second run printing on the reverse sides of the first run.

Note

- ◆ Printing on both sides of the paper uses memory space on your computer's hard disk drive.
- ◆ Do not use special paper (transparencies, labels, envelopes, letterhead, or thick paper) or manual feed with duplex printing.

Print Overlay

Print Overlay lets you overlay the image of the document you are printing onto the image contained in another file. Check the **Print Overlay** box to enable the settings described below.

File Name: Use this box to specify the path to the file whose image onto which you want to overlay the document you are printing. If you do not know the path, click **Browse** to display a Browse dialog for specifying the file.

Using the PagePro 1100L Printer Driver

First Page Only: Check this option when you want to overlay the images on the first page of the print job only. The images are overlaid on all the pages of the print job when this option is unchecked.

N-up

The **N-up** settings let you print multiple document pages on a single sheet of paper. Use the **N-up** box to select one of the following N-up page configurations.

- | | |
|--------------|----------------------|
| Off | One page per sheet |
| 2-up | Two pages per sheet |
| 4-up | Four pages per sheet |
| 9-up | Nine pages per sheet |
| 16-up | 16 pages per sheet |

Borderline

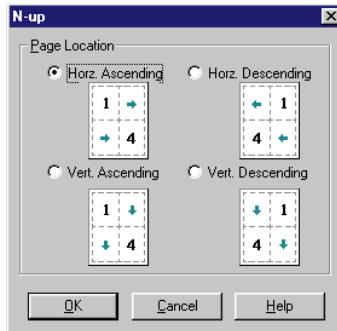
Checking this box causes a borderline to be printed around each of the document pages. No borderline is printed when this box is unchecked.

Important!

- ◆ **N-up** cannot be used in combination with **Booklet Left** or **Booklet Right**.

Details of N-up

Clicking the **Details of N-up** button inside the **N-up** settings area displays a dialog for specifying the order of document pages printed on each sheet of paper. This button becomes enabled whenever you select an N-up page configuration from **2-up** to **16-up**. It appears dimmed while **Off** is selected.



Horz. Ascending

This setting prints the first document page in the upper left corner of the sheet, the second page to the right of the first, and so on. The first document page of each subsequent row is located on the left side of the sheet, underneath the first page of the preceding row.

Horz. Descending

This setting prints the first document page in the upper right corner of the sheet, the second page to the left of the first, and so on. The first document page of each subsequent row is located on the right side of the sheet, underneath the first page of the preceding row.

Vert. Ascending

This setting prints the first document page in the upper left corner of the sheet, the second page underneath the first, and so on. The first document page of each subsequent column is located at the top of the sheet, to the right of the first page of the preceding column.

Vert. Descending

This setting prints the first document page in the upper right corner of the sheet, the second page underneath the first, and so on. The first document page of each subsequent column is located at the top of the sheet, to the left of the first page of the preceding column.

Watermark

Watermarks can be used to alert the reader to the nature of the content of a document. Examples of often-used watermarks are: CONFIDENTIAL, DRAFT, URGENT, etc. Use the **Watermark** box to select the watermark you want to use. Note that the only option available in this list is **(none)** until you create your watermarks using the **Edit Watermark** button.

Note

- ◆ The **Brightness**, **Contrast**, and **Resolution** settings on the **Quality** tab do not affect the watermark.

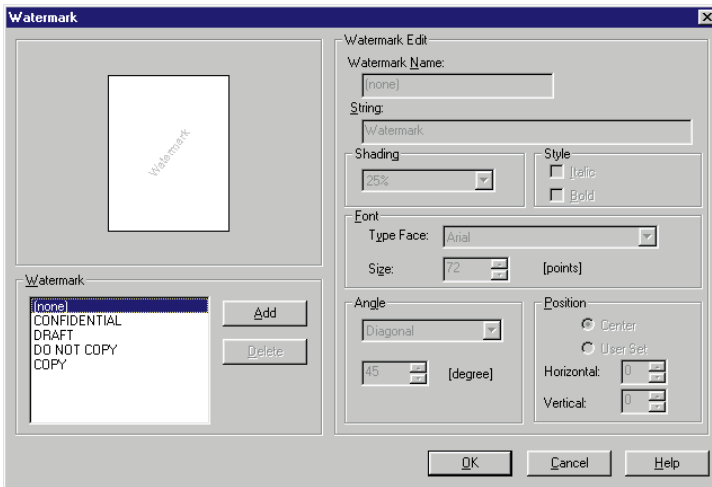
First Page Only

Checking this box causes the watermark to be printed on the first page of the document only. The watermark is printed on all the pages of the document when this box is unchecked. Note that this checkbox appears dimmed when **(none)** is selected in the **Watermark** box.

Edit Watermark

Clicking the **Edit Watermark** button inside the Watermark settings area displays the Edit Watermark dialog for creating new watermarks and editing existing watermarks. The following describes the settings you can make on the Edit Watermark dialog.

Note that almost all of the settings on the Edit Watermark dialog appear dimmed while **(none)** is selected in the list of watermark names in the lower left corner of the dialog. To undim the settings, click **Add** to create a new watermark or select a watermark name in the list for editing.



Watermark

This list shows all of the currently available watermarks. Every time you create a new watermark, its name appears in this list. Note that you can have up to 30 watermarks in the list.

Add

Click this button to add a new watermark with the default name **Watermark** to the **Watermarks** list. After you add a watermark, you can change its name and other default settings to create your own original watermark.

Delete

Click this button to delete the watermark whose name is currently highlighted in the **Watermarks** list. Note that the delete operation is performed as soon as you click the **Delete** button, and that the delete operation cannot be undone. Because of this, you should make sure you really no longer need the highlighted watermark before clicking this button.

Watermark Name

Type in up to 72 characters for the name you want to assign to the watermark whose current name is highlighted in the **Watermarks** list.

String

Type in up to 72 characters for the content of the watermark. Note that inputting a string that is too long to fit on the page causes the ends of the string to be cut off.

Shading

Use this setting to set the relative darkness of the watermark as 10% (lightest), 25%, 50%, 75% or 100% (darkest).

Style

Check one or both of the boxes to specify **Italic** and/or **Bold** for the watermark.

Font

Use these settings to specify the typeface and point size of the watermark text.

Angle

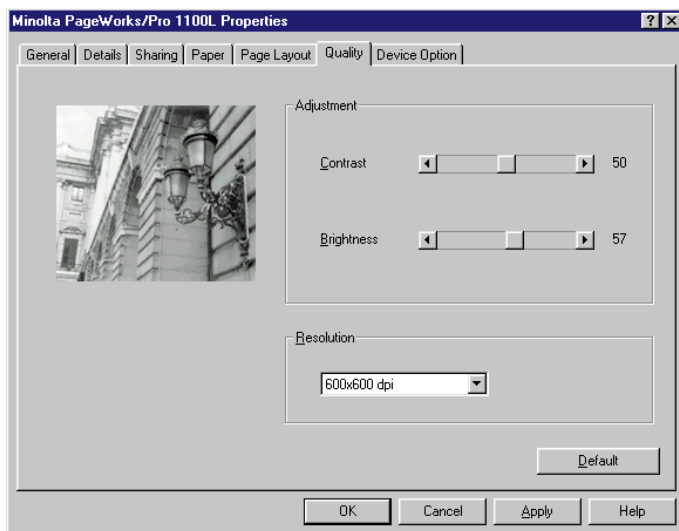
Use these settings to specify the angle of the watermark on the paper. Selecting **User Set** undims the angle setting box, which you can use to specify an angle value.

Position

Use these settings to specify the vertical and horizontal positioning of the watermark on the paper. Selecting **User Set** undims the **Horizontal** and **Vertical** boxes, which you can use to specify relative positions off of the vertical and horizontal center points.

After creating a watermark, click **OK** to save it as a bitmap file and add its name to the **Watermark** list on the **Page Layout** tab.

Quality



Resolution

This setting specifies the number of dots per inch (dpi).

600 dpi: Use this setting for high-resolution printing.

300 dpi: Use this setting for normal resolution printing.

Adjustment

Use these sliders to adjust the contrast and brightness of the graphic images.

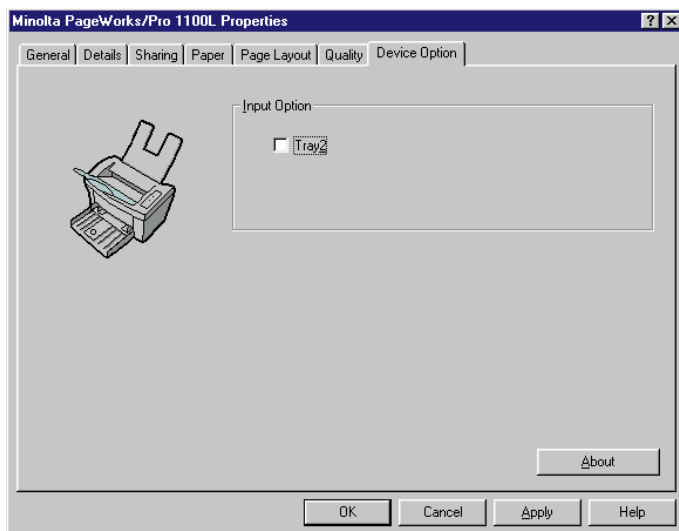
Contrast

Contrast is the relative difference between the lightest areas and darkest areas of an image. Dragging the slider to the right increases the contrast value, while dragging it to the left decreases contrast.

Brightness

Use this slider to adjust the brightness of the image. Slide it to the right to increase brightness or to the left to decrease brightness.

Device Option



Input Option

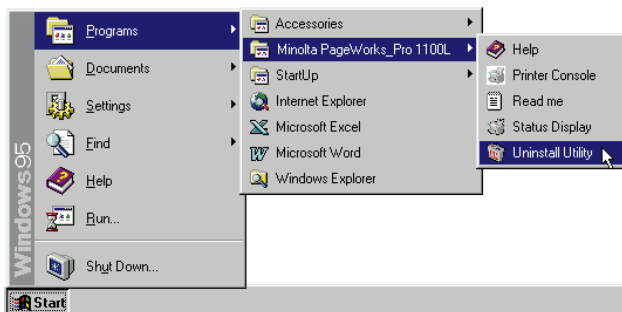
Check this box when you have **Tray2** installed on your printer. This causes **Tray2** to be added to the **Paper Source** box on the **Paper** tab. It also changes the graphic on the left of the **Device Option** tab so it shows the second tray.

Uninstalling the Printer Driver

This section describes how to uninstall the PagePro 1100L Printer Driver when necessary.

To Uninstall the PagePro 1100L Printer Driver (Windows 95/Windows 98/Windows NT 4.0)

- 1 Click the **Start** button, point to **Programs**, then to **Minolta PageWorks_Pro 1100L**, and then click **Uninstall**.



- 2 Click **Yes** to proceed with the uninstall operation or **No** to abort.



Note

- ◆ It is recommended that you restart your computer after uninstallation.

Chapter

Printer Console and Printer Status Display

5

Using the Printer Console

This program provides a single central location where you can change configuration settings, and monitor and control print job.

Starting Up the Printer Console

This section describes how to start up the Printer Console.

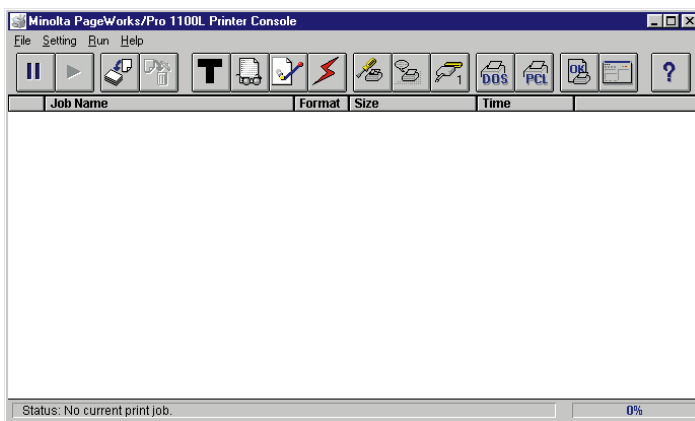
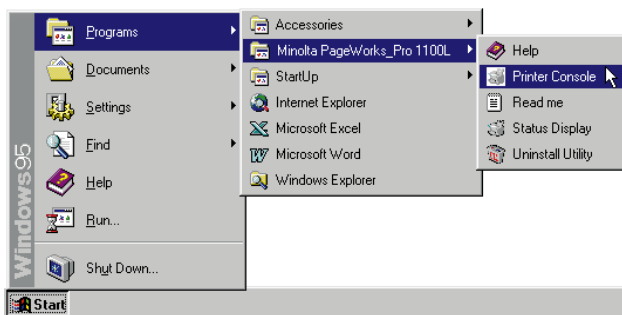
To Start Up the Printer Console Under Windows 95, Windows 98 or Windows NT 4.0

Note

- ◆ The screen images below show the printer console operating in a Windows 95 environment.

Using the Printer Console

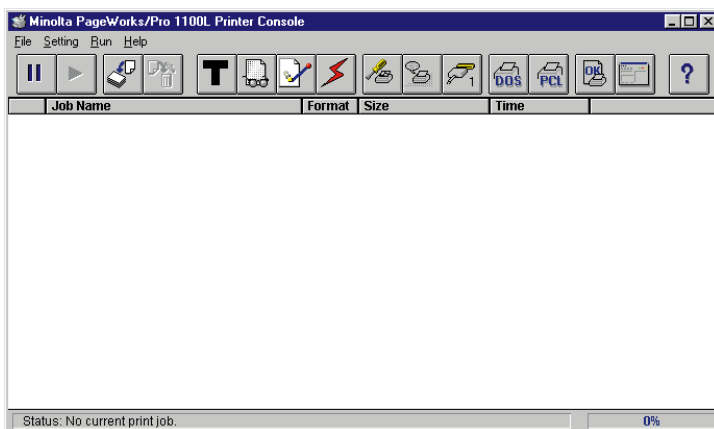
- Click the **Start** button, point to **Programs**, then to **Minolta PageWorks_Pro 1100L**, and then click **Printer Console**.



See online help for full details about using these menus to make settings.

Using the Printer Console

This program provides a single central location where you can change configuration settings, and monitor and control print jobs.



Note

- ◆ The screen images that appear in this section show the printer console in a Windows 95 environment.

File Menu



Pause Printer

This command pauses printing so you can do something else. For example, you can pause printing in order to cancel the print job from the application.



Resume Printer

This command resumes printing after it has been paused. It can also be used to recover from an error condition.



Add Document

This command displays the **Open Print File** dialog, which you can use to add a print job to the list of queued jobs on the Printer Console screen.



Delete Document

This command deletes the print job whose name is highlighted in the list of queued jobs on the Printer Console screen.

Exit

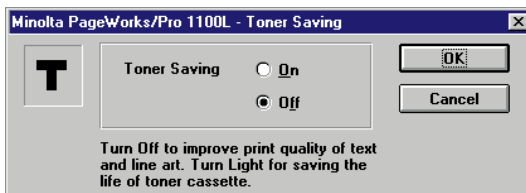
This command exits Printer Console.

Setting Menu



Toner Saving

This command displays the **Toner Saving** dialog, which you can use to turn toner saving on and off.

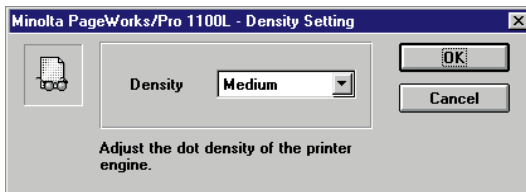


Turn **Toner Saving** on when you want to maximize toner cassette life. Turn it off when you want to improve text and line art quality.



Density

This command displays the **Density Setting** dialog, which you can use for fine control of the dot density of images.

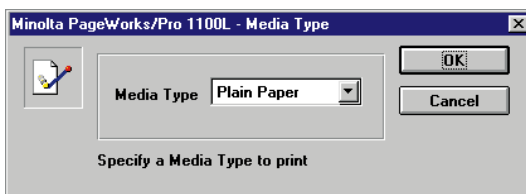


Use the Density box to select one of the following settings: **Extra Light**, **Light**, **Medium Light**, **Medium**, **Medium Dark**, **Dark**, **Extra Dark**.



Media Type

This command displays the **Media Type** dialog, which you can use to specify the type of paper or other medium to which you are printing.

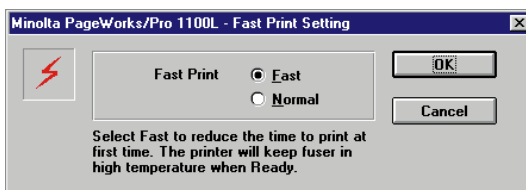


Use the **Media Type** box to select one of the following settings: **Plain Paper**, **Thick Paper**, **Transparency**, **Envelope**.



Fast Print

This command displays the **Fast Print Setting** dialog, which you can use to switch between Fast Print and normal printing.



Turning on **Fast Print** reduces the amount of time required for the first print to start, because the printer keeps the fuser at high temperature while in the Ready mode.

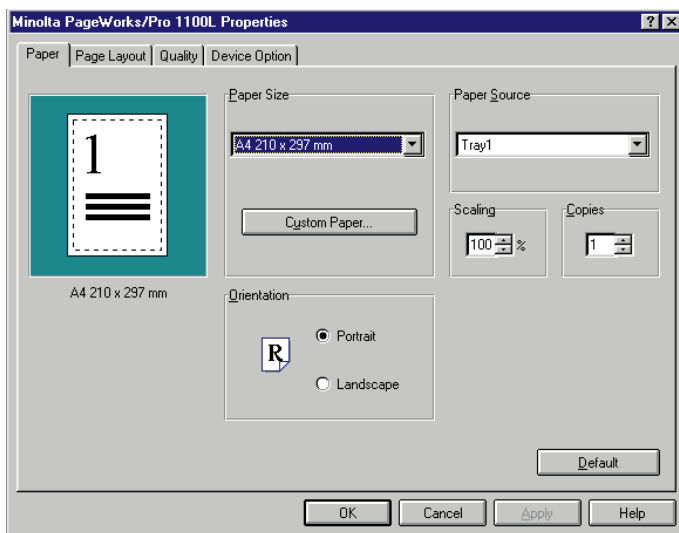
Important!

- ◆ Use the **Normal** setting whenever if the printed paper is curled when it is output by the printer.



Printer Setup

This command displays the **Properties** dialog, which contains PagePro 1100L printer driver settings.

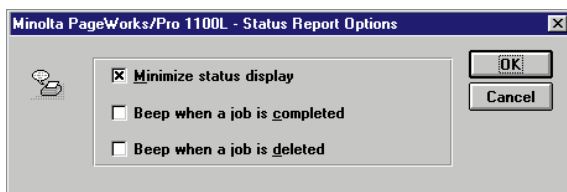


See the online help of the printer driver for details about how to use the Properties dialog to control the output of the printer.



Status Report Option

This command displays the **Status Report Options** dialog, which you can use to turn the following options on and off.



Minimize Status Display: When this option is turned on, the status display does not appear when an error occurs during printing.

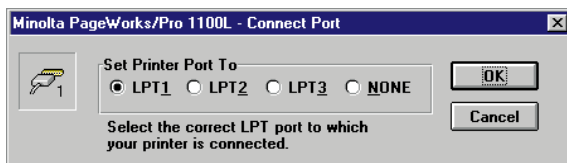
Beep when a job is completed: Turning on this option causes your computer to beep whenever a print job is completed without any error.

Beep when a job is deleted: Turning on this option causes your computer to beep whenever a print job is deleted with the Status display or Printer Console.



Connect Port

This command displays the **Connect Port** dialog, which you can use to specify the LPT port to which your printer is connected.



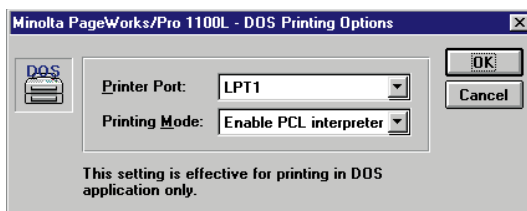
Selecting **NONE** disables all printing functions.

Note that the hardware configuration of your computer determines the settings available to you on this dialog box.



DOS Printing Options

This command displays the **DOS Printing Options** dialog, which you can use to make the following settings.



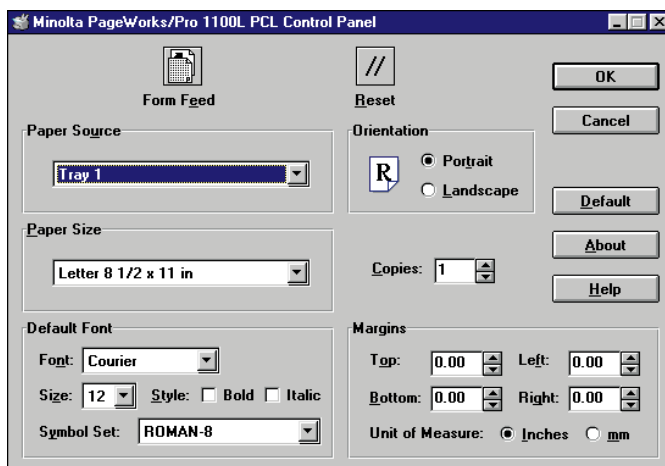
Printer Port: Use this box to select the port to which the printer is connected. Selecting **NONE** disables all printing functions. Note that the hardware configuration of your computer determines the settings available to you in this box.

Printing Mode: Use this box to specify either **Enable PCL interpreter** (for spooling and rasterizing PCL4.5 data or ASCII text format data from the DOS prompt for printing on the PagePro 1100L printer) or **Bypass PCL interpreter** (to send data direct to the printer port).



PCL Control Panel

This command displays the **PCL Control Panel** dialog, which you can use to make settings for PCL printing from MS-DOS applications Windows 95.



The settings you make with the **PCL Control Panel** are valid for print jobs sent to your local printer. The following describes the settings you can make and the operations you can perform with the **PCL Control Panel**.

Form Feed

Click this button to perform a form feed operation.

Some PCL files do not include a form feed (a command to eject a page) at the end of the file, so if you are printing to a conventional PCL printer, you have to click the form feed key to see your output. If you selected **Enable PCL interpreter** for **Printing Mode** on the **DOS Printing Options** dialog, you will have to click this button to output the last page.

Reset

Click this button to clear the current print job and any other data waiting to be printed, and to send any changes you made in the **PCL Control Panel** to the printer. The new settings take effect with the next print job.

Paper Source

Use this box to specify the source of the paper.

Paper Size

Use this box to specify the size of paper you are using.

Default Font

Use the settings in this area to specify the default font and symbol set. You can select either **Courier** or **Line Printer** as the default font.

Orientation

Click the button for the orientation you want to use. The graphic next to the buttons changes to show an image of the current setting.

Copies

Use this box to specify the number of copies of each page in the range of **1** to **99**.

Margins

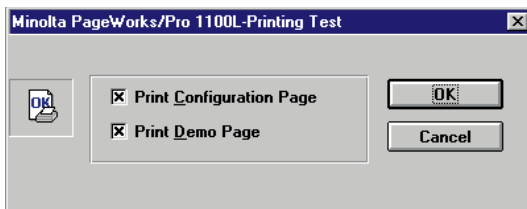
Use the settings in this area to set the top, bottom, left, and right margins. You can also select either inches or millimeters as the unit of measurement for the margin settings.

Run Menu



Printing Test

This command displays the **Printing Test** dialog, which you can use to select either of the following print tests.



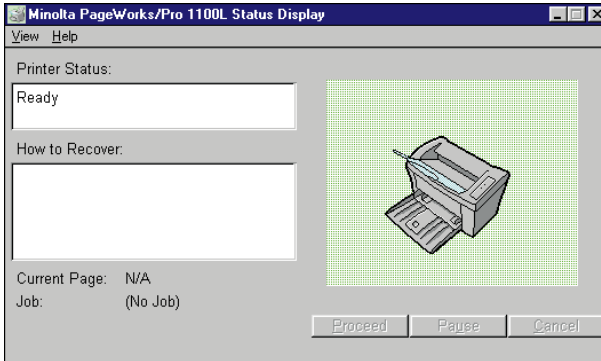
Print Configuration Page: Check this box when you want to print a page that shows a variety of information about your computer and printer configuration. Clicking **OK** on the Printing Test dialog while this option is selected displays a screen of configuration information and displays a message to confirm whether you actually want to print it.

Print Demo Page: Check this box to print a demo page. Clicking **OK** on the Printing Test dialog while this option is selected puts the demo page directly into the print job queue without displaying a confirmation message.



Local Printer Status

This command displays the **Status Display** dialog, which shows the status of your printer.



To Print the Test Page from the Printer Console

Use the instructions described in “Printing Test” on page 5-10 to print a test page and see if the printer is working correctly. You can also print a sheet that shows the current printer settings.

Note

- ◆ See “Print Quality Problems” on page 7-10 for information on what to do if the test page does not print correctly.
- ◆ See “No Output” on page 7-15 for information on what to do if a test page cannot be printed with the printer connected directly to the parallel port of a computer running Windows 95 or Windows 98.

To Exit the Printer Console

- To exit the Printer Console, use the **Exit** command from the **File** menu.

Using the Status Display

The Status Display displays information about the current status of the computer's local printer.

Starting Up the Status Display

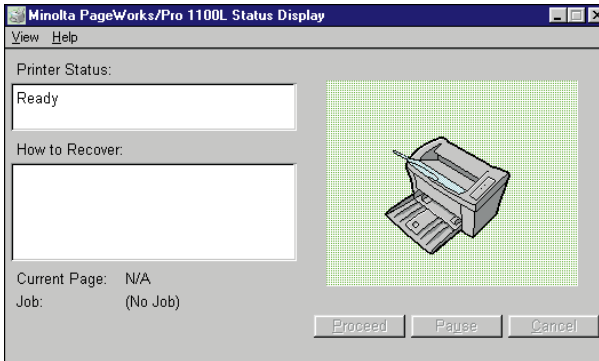
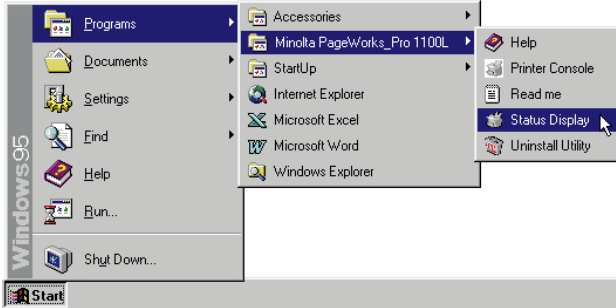
This section describes how to start up the Status Display, which keeps you informed of the status of the printer at all times.

Important!

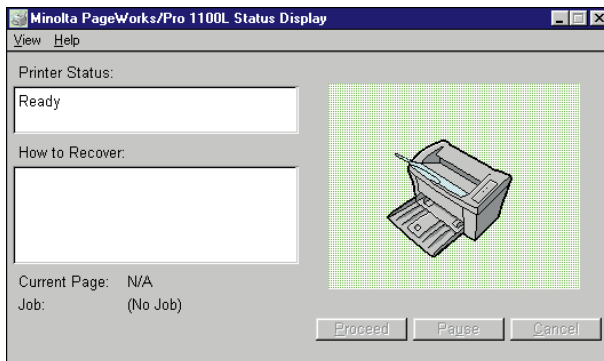
- ◆ Before starting up the Status Display, make sure that the printer is connected to your computer and turned on.

To Start Up the Status Display Under Windows 95, Windows 98 or Windows NT 4.0

- Click the **Start** button, point to **Programs**, then to **Minolta PageWorks_Pro 1100L**, and then click **Status Display**.



Using the Status Display



Proceed Button

Click this button to resume a print operation that has been paused due to clicking of the **Pause** button, some operational error, etc. Note that certain very serious operational errors cannot be recovered from by clicking the **Proceed** button. This is indicated when the **Proceed** button appears dimmed on the Status Display.

Pause Button

Click this button to pause the current print operation. To resume printing, click the **Proceed** button.

Cancel Button

Click this button to cancel the current print operation.

View Menu

Expand/Reduce

Use these commands to select either the Status Display expanded view or reduced view.

Exit

Select this command when you want to exit the Status Display.

To Exit the Status Display

- To exit the Status Display, use the **Exit** command from the **View** menu.

Chapter

Maintenance

6

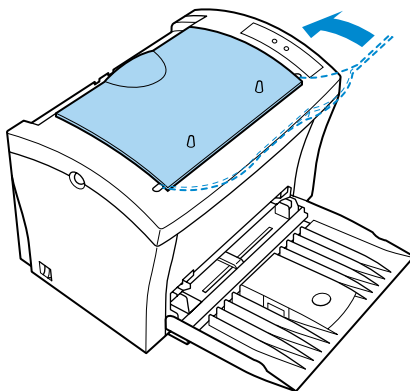
Replacing the Toner Cartridge

Each **toner cartridge** contains enough toner to produce about 6,000 A4/Letter-size prints. The **toner cartridge** that comes with the printer is capable of producing approximately 3,000 A4/Letter-size prints. This is calculated based on an average image density equivalent to a black-to-white ratio of 5% or less. The actual number of pages obtained from a **toner cartridge** depends on the image density of the pages you print.

If printed images start to get light, remove the **toner cartridge** from the printer, rock it back and forth a few times, and then replace it in the printer. If this does not solve the problem, you likely need to replace the **toner cartridge** with a new one.

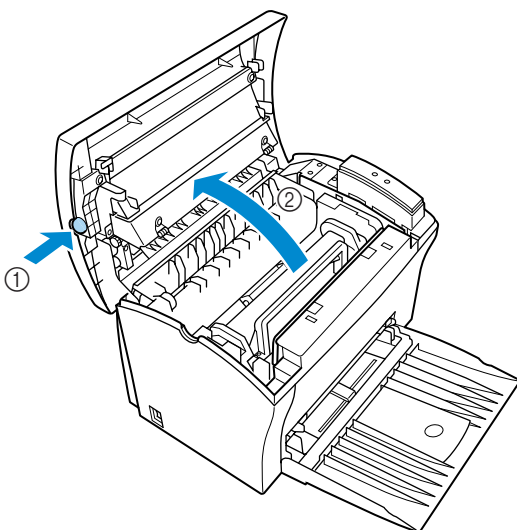
To Replace the Toner Cartridge

- 1 Turn off the printer and disconnect the power cord from the printer.
- 2 Close the **face-down tray**.



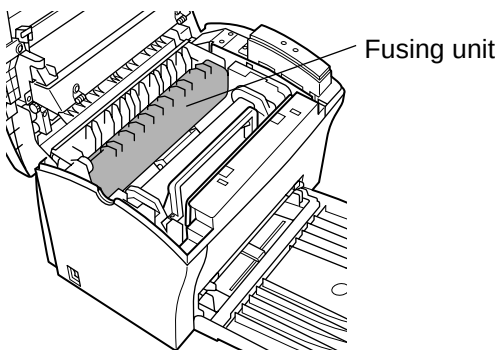
Replacing the Toner Cartridge

- 3 Press the **top cover release button** and open the **top cover** gently.

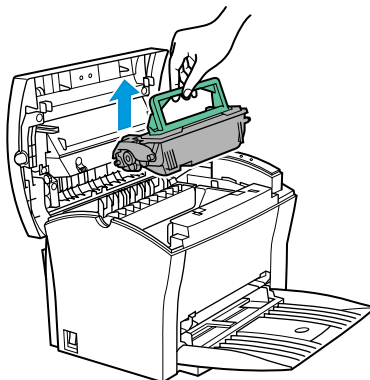


ATTENTION

- ◆ The fusing unit inside the printer can become very hot during operation. Do not touch the area to avoid injury.



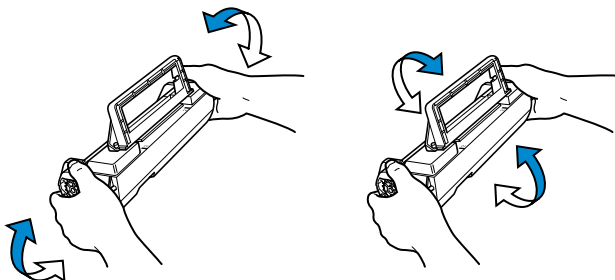
4 Remove the old **toner cartridge**.



Note

- ◆ The **toner cartridge** is made up of non-hazardous materials, and can be disposed of freely. Check local regulations in your area concerning disposal of such items.
- ◆ The life span of the **toner cartridge** is dependent upon the mode and application in which it is used.

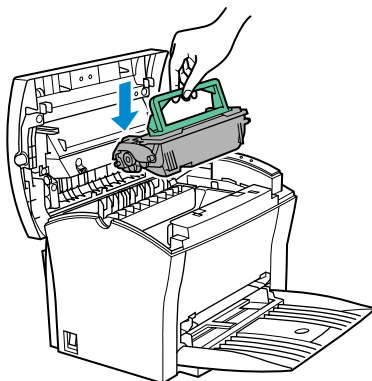
5 Remove the **toner cartridge** from the box it comes packed in. Holding it firmly with both hands, rock it left and right, forward and back in the directions indicated by the arrows in the illustration.



Replacing the Toner Cartridge

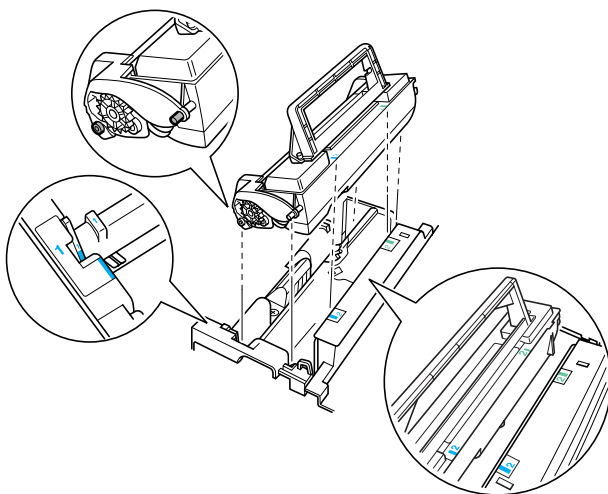
- 6 Holding onto the toner cartridge's handle, lower it into the printer.

Make sure that the four pins (two on each side) fit into the grooves inside the printer.

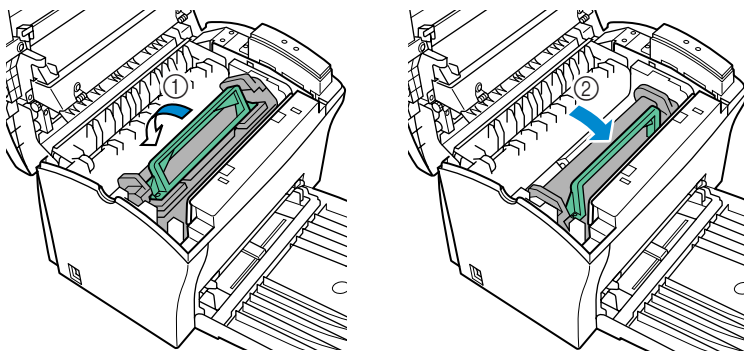


Note

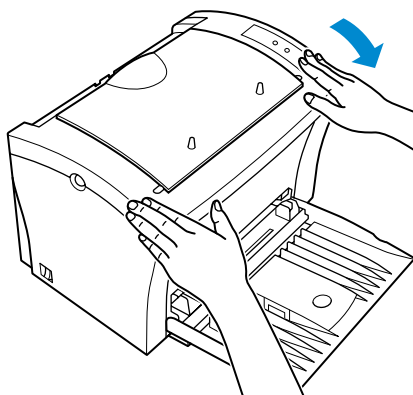
- ◆ Color coordinated “2” labels have been affixed to the **toner cartridge** and to the inside of the printer. Install the **toner cartridge** by aligning these labels.



The cartridge will click into place when it is completely installed.



- 7 Close the **top cover** and press it down gently but firmly until it locks into place.



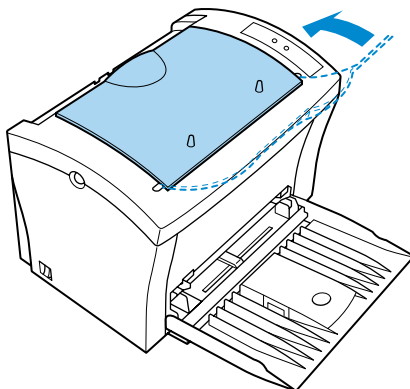
Replacing the Drum Cartridge

Each **drum cartridge** can produce about 20,000 A4/Letter-size prints. The actual number of pages obtained from a **drum cartridge** depends on the image density of the pages you print.

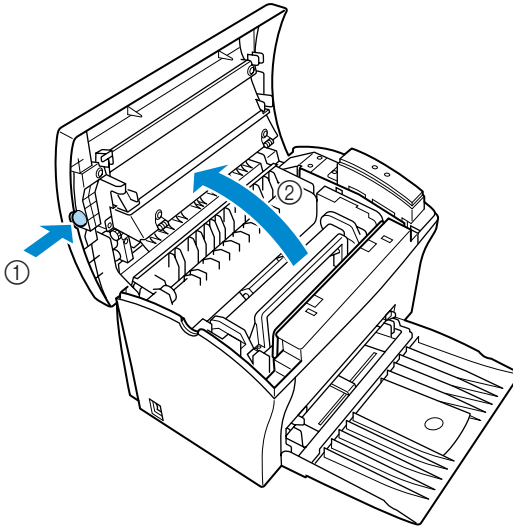
After about 20,000 A4/Letter-size prints, print images start to become faint and blurred. If this happens, use the following procedure to replace the **drum cartridge** with a new one.

To Replace the Drum Cartridge

- 1 Turn off the printer and disconnect the power cord from the printer.
- 2 Close the **face-down tray**.

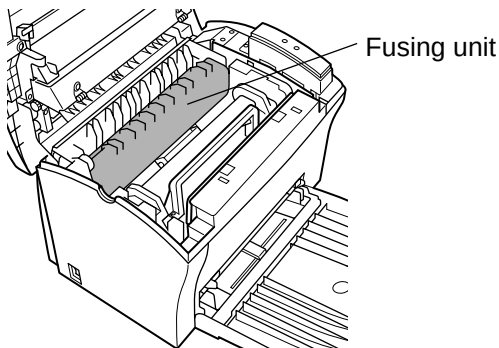


- 3 Press the **top cover release button** and open the **top cover** gently.



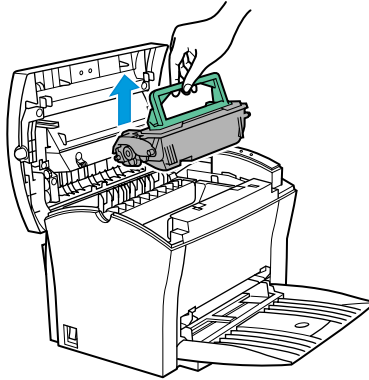
ATTENTION

- ◆ The fusing unit inside the printer can become very hot during operation. Do not touch the area to avoid injury.

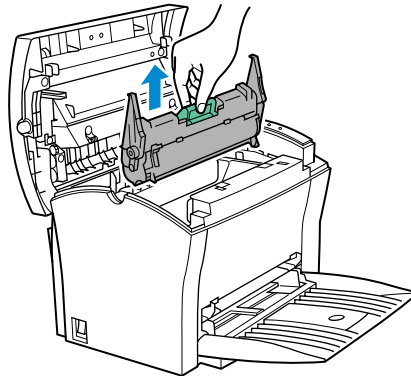


Replacing the Drum Cartridge

4 Remove the **toner cartridge**.



5 Remove the old **drum cartridge**.



Note

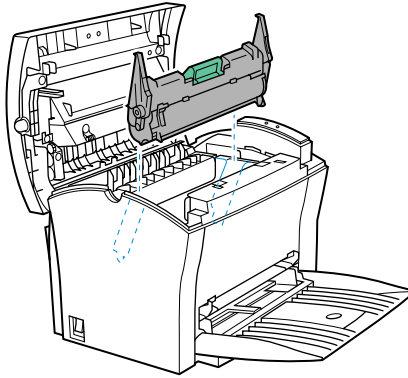
- ◆ The **drum cartridge** is made up of non-hazardous materials, and can be disposed of freely. Check local regulations in your area concerning disposal of such items.

- 6 Remove the **drum cartridge** from the box it comes packed in.

Caution

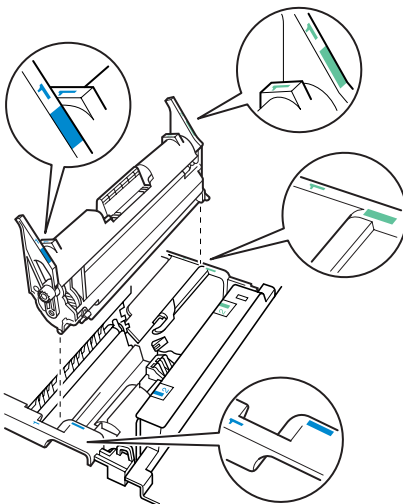
- ◆ If you do not plan to immediately install the drum cartridge into the printer, cover it with a cloth to protect it against over-exposure to light.

- 7 Install the **drum cartridge** into the printer, aligning the guides of the cartridge with the grooves inside the printer.



Note

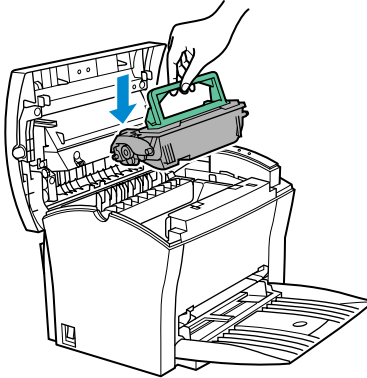
- ◆ Color coordinated “1” labels have been affixed to the **drum cartridge** and to the inside of the printer. Install the **drum cartridge** by aligning these labels.



- ◆ Make sure the **drum cartridge** is inserted inside the printer as far as it will go.

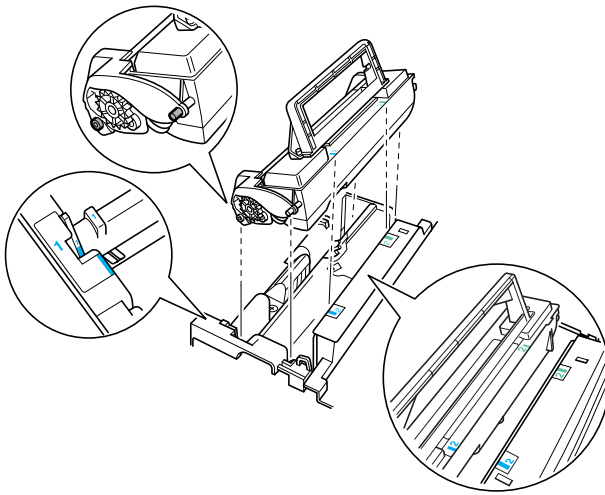
- 8 Holding onto the toner cartridge's handle, lower it into the printer.

Make sure that the four pins (two on each side) fit into the grooves inside the printer.



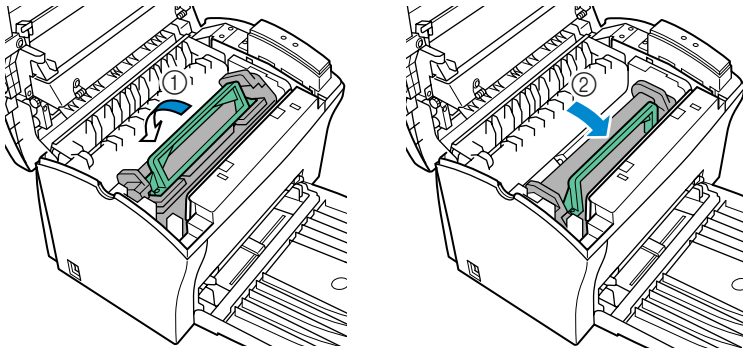
Note

- ◆ Color coordinated “2” labels have been affixed to the **toner cartridge** and to the inside of the printer. Install the **toner cartridge** by aligning these labels.

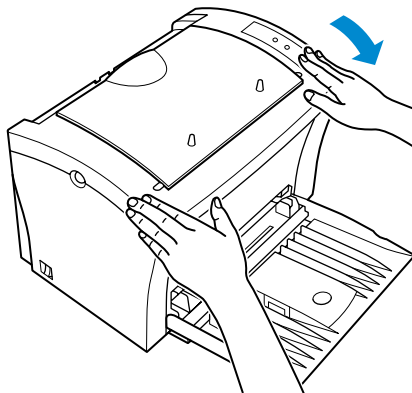


Replacing the Drum Cartridge

The cartridge will click into place when it is completely installed.



- 9** Close the **top cover** and press it down gently but firmly until it locks into place.

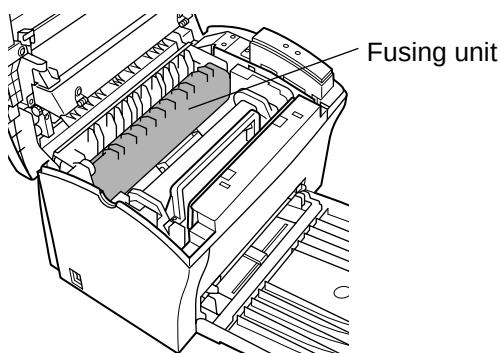


Cleaning the Printer

Dust, dirt, and paper debris on the outer surfaces and inside the printer can interfere with printer performance. Clean the printer regularly.

ATTENTION

- ◆ The fusing unit inside the printer can become very hot during operation. Do not touch the area to avoid injury.



Note

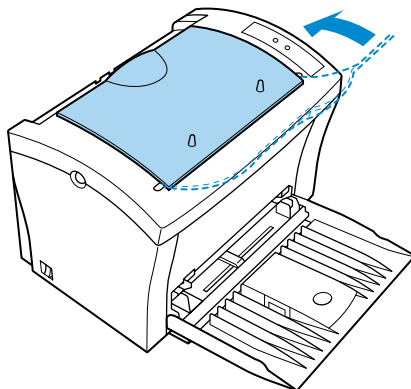
- ◆ Use a soft cloth to clean the printer. Never use abrasives or corrosive detergents.
- ◆ Wait for at least 10 minutes after the printer has been turned off and make sure that the **fusing unit** has cooled before cleaning the interior of the printer.

Cleaning the Outside of the Printer

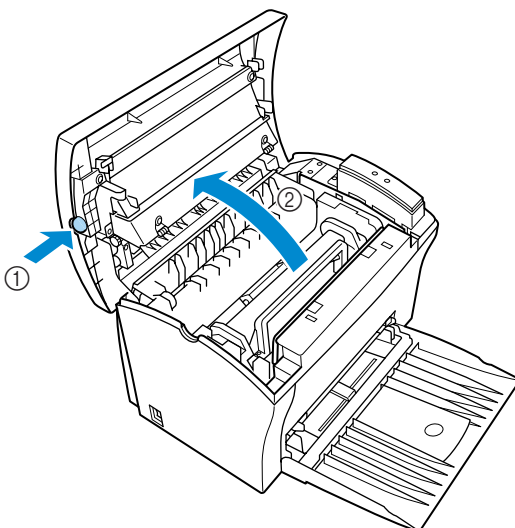
- Wipe the outside of the printer with a soft cloth moistened with a neutral, household detergent.

Cleaning the paper feed roller

- 1 Turn off the printer and unplug the power cord.
- 2 Close the **face-down tray**.



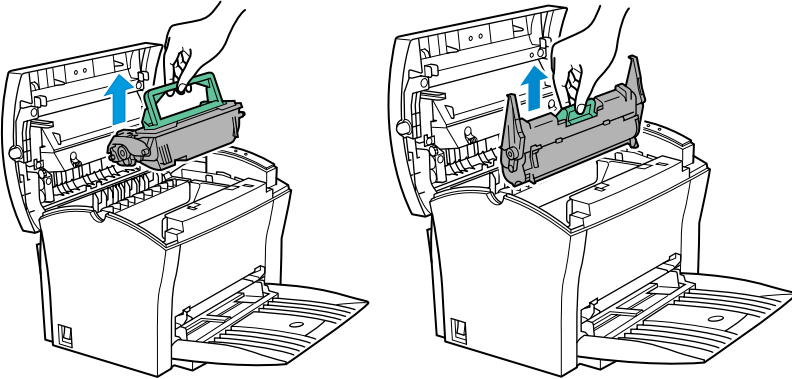
- 3 Press the **top cover release button** and open the **top cover** gently.



 ATTENTION

- ◆ The fusing unit inside the printer can become very hot during operation. Do not touch the area to avoid injury.

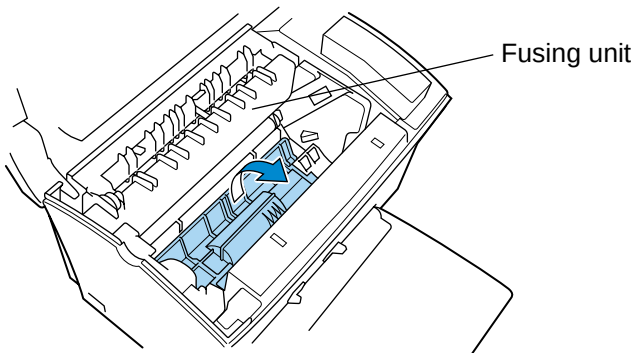
4 Remove the **toner cartridge** and the **drum cartridge**.



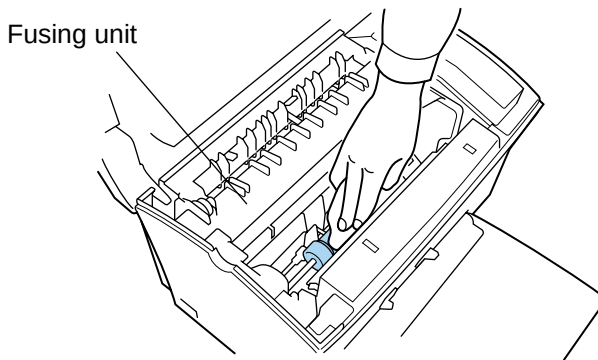
Caution

- ◆ Whenever you remove the drum cartridge from the printer, immediately wrap it with a cloth to protect it against overexposure to light.

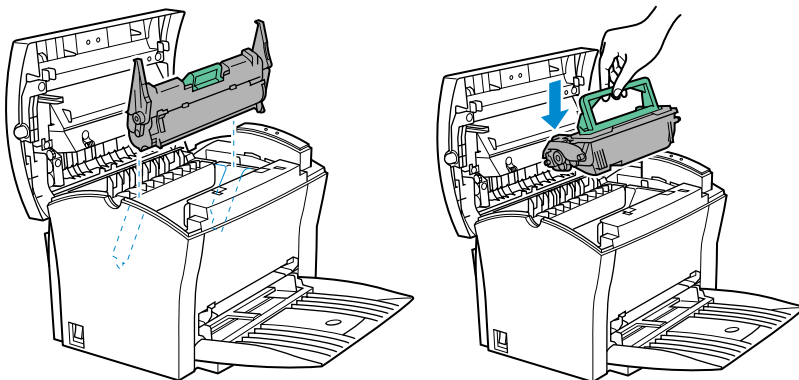
- 5** Pull back on the cover that protects the **paper feed roller** located at the bottom of the printer chamber.



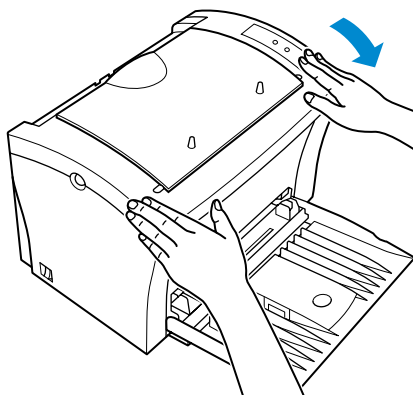
- 6** Use a soft cloth to wipe the **paper feed roller**.



- 7 Reinstall the **drum cartridge** and **toner cartridge**. See “To Replace the Drum Cartridge” on page 6-6 and “To Replace the Toner Cartridge” on page 6-1 for details.



- 8 Close the **top cover** and press it down gently but firmly until it locks into place.



Chapter

Troubleshooting

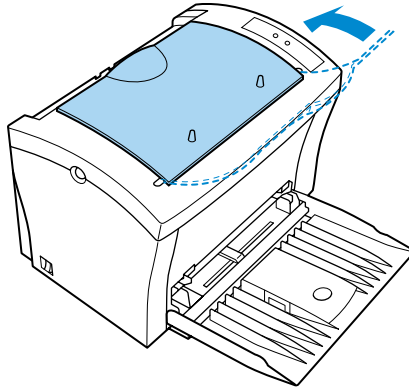
7

Clearing a Paper Misfeed

Use the following procedure to remove the misfed paper inside the printer.

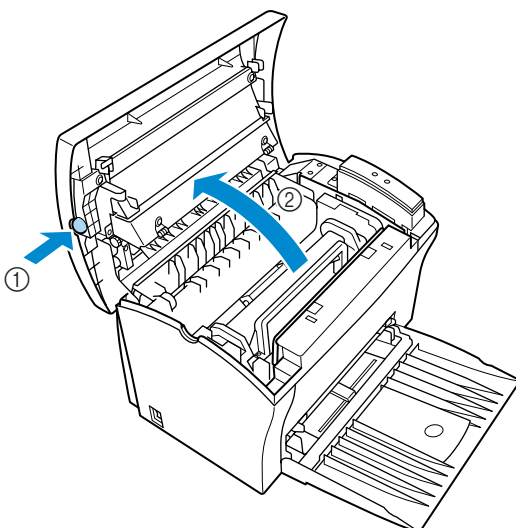
Inside the Printer

- 1 Close the **face-down tray**.



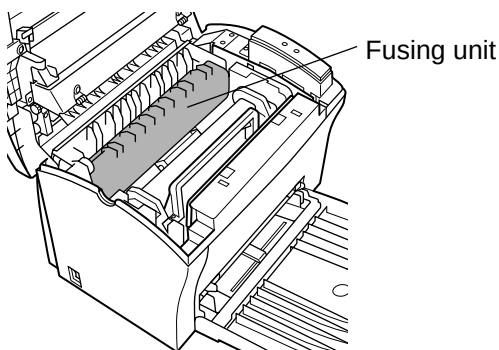
Clearing a Paper Misfeed

- 2 Press the **top cover release button** and open the **top cover** gently.

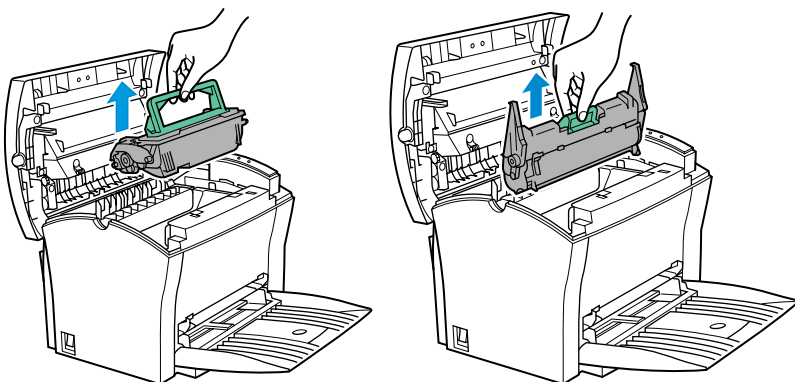


ATTENTION

- ◆ The fusing unit inside the printer can become very hot during operation. Do not touch the area to avoid injury.



- 3 Remove the **toner cartridge** and the **drum cartridge**.



Caution

- ◆ Whenever you remove the drum cartridge from the printer, immediately wrap it with a cloth to protect it against overexposure to light.

- 4 Clear the paper misfeed using one of the following procedures depending upon the location of the paper misfeed.

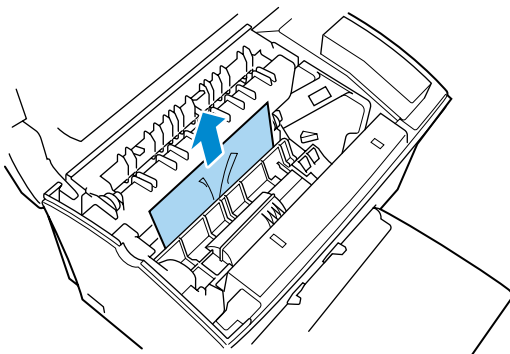
Caution

- ◆ Do not touch the image transfer roller.

Clearing a Paper Misfeed

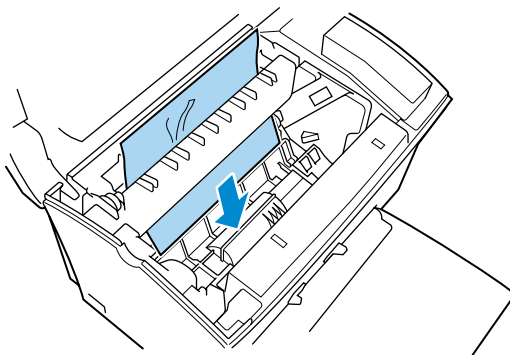
In the Vicinity of the Drum Cartridge

- Pull the end of the paper that is visible straight out of the printer.



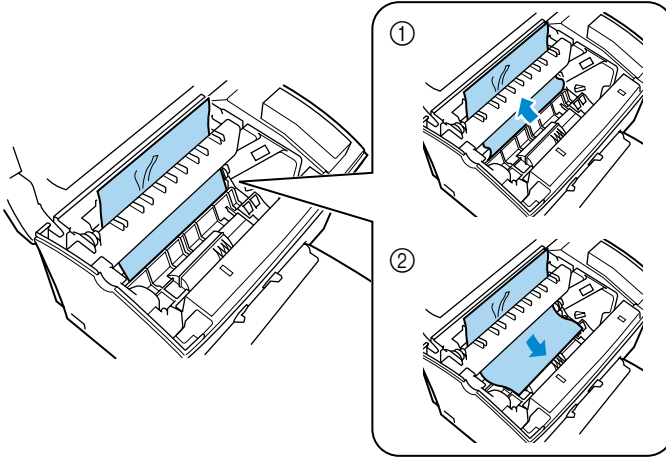
At the Fusing Unit

- Pull the end of the paper that is visible straight out of the printer.

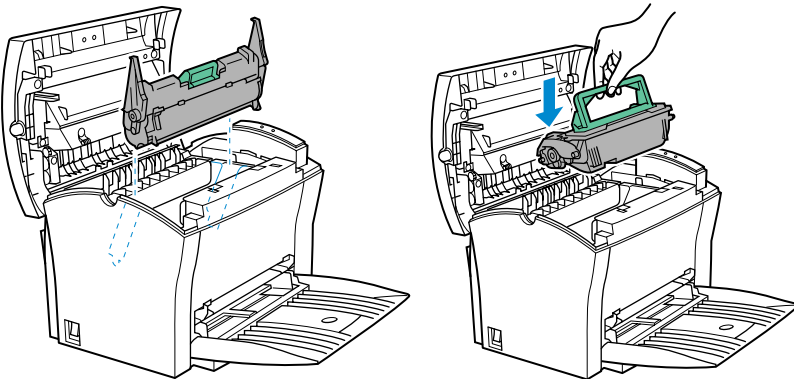


Between the Drum Cartridge and the Fusing Unit

- If both the top and bottom edges of a misfed page are not visible, pull the bottom of the page up to pull the bottom edge out from under the paper feed roller. Then, grab the bottom edge of the page and pull the rest of the page out from behind the fusing unit.

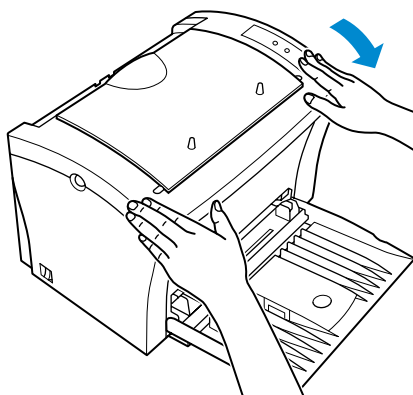


- 5** Reinstall the **drum cartridge** and **toner cartridge**. See “To Replace the Drum Cartridge” on page 6-6 and “To Replace the Toner Cartridge” on page 6-1 for details.



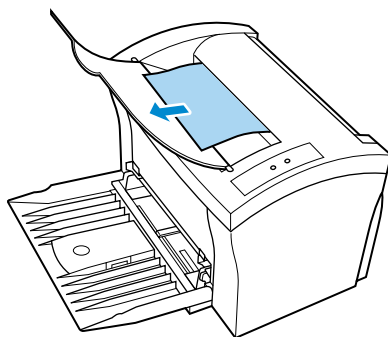
Clearing a Paper Misfeed

- 6 Close the top cover and press it down gently but firmly until it locks into place.



Face-Down Tray

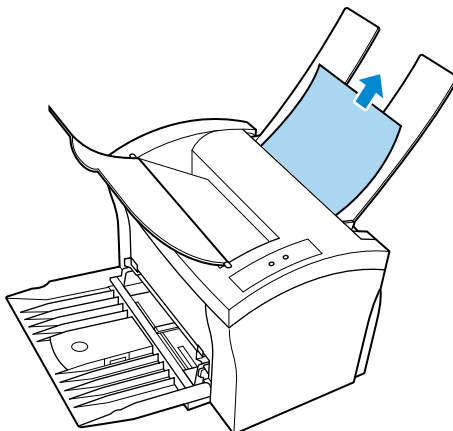
- 1 Pull the misfed paper straight out of the printer.



- 2 After removing a misfed paper, be sure to open the **top cover**, then close it again to reset the printer.

Face-Up Tray (Option)

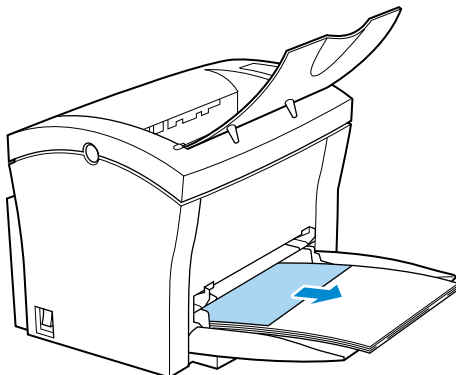
- 1 Pull the misfed paper straight out of the printer.



- 2 After removing a misfed paper, be sure to open the **top cover**, then close it again to reset the printer.

Tray1

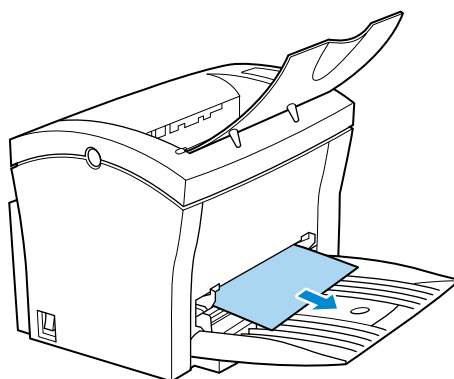
- 1 Pull the misfed paper straight out of the printer.



- 2 After removing a misfed paper, be sure to open the **top cover**, then close it again to reset the printer.

Manual Feed Tray

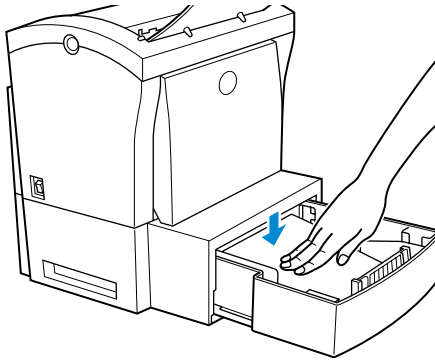
- 1 Pull the misfed paper straight out of the printer.



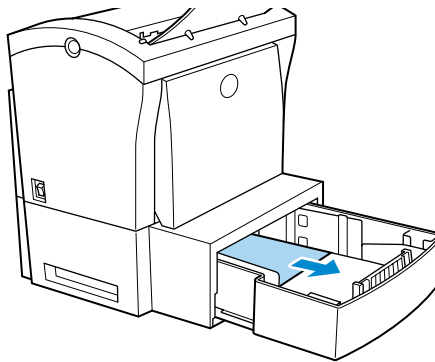
- 2 After removing a misfed paper, be sure to open the **top cover**, then close it again to reset the printer.

Second Paper Cassette Unit (option)

- 1 Remove the cassette cover and pull out Tray2 from the second paper cassette unit. Press down on the stack of paper until the paper lifting plate locks.



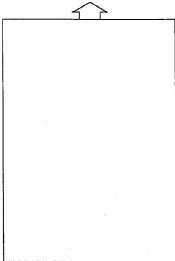
- 2 Remove the stack of paper from the tray and pull the misfed paper straight out of the printer.

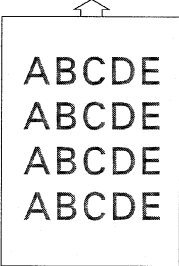
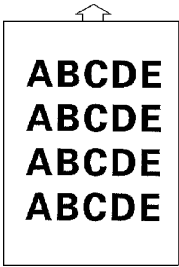


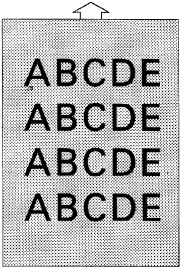
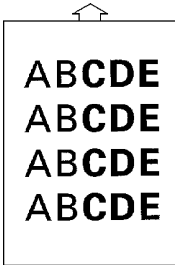
- 3 After removing a misfed paper, be sure to open the **top cover**, then close it again to reset the printer.

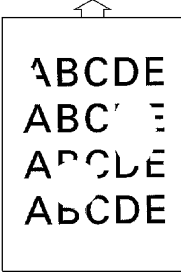
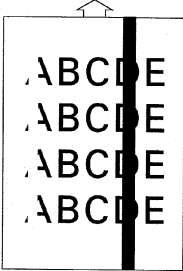
Print Quality Problems

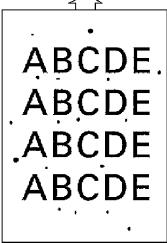
The following provides information on most print quality problems you might encounter. If the advice provided here does not solve your problem, contact your dealer.

Symptom	Cause	Remedy
Blank pages 	The toner cartridge may be running out of toner.	Remove the toner cartridge and rock it left and right a few times to distribute remaining toner. If the problem persists, replace the toner cartridge. See "To Replace the Toner Cartridge" on page 6-1 for details.
	The toner cartridge may be defective.	Remove the toner cartridge and check it for damage. Replace the toner cartridge if necessary. See "To Replace the Toner Cartridge" on page 6-1 for details.
Black pages 	The toner cartridge may be defective.	Remove the toner cartridge and check it for damage. Replace the toner cartridge if necessary. See "To Replace the Toner Cartridge" on page 6-1 for details.
	Your printer may require servicing.	Contact your dealer.

Symptom	Cause	Remedy
Printout too light 	The Density setting of the printer console may be too light, or the Toner Save setting is set to On.	Change the setting and try printing again.
	The toner cartridge may be running out of toner.	Remove the toner cartridge and rock it left and right a few times to distribute remaining toner. If the problem persists, replace the toner cartridge. See "To Replace the Toner Cartridge" on page 6-1 for details.
	The toner cartridge may be defective.	Remove the toner cartridge and check it for damage. Replace the toner cartridge if necessary. See "To Replace the Toner Cartridge" on page 6-1 for details.
Printout too dark 	The toner cartridge may be defective.	Remove the toner cartridge and check it for damage. Replace the toner cartridge if necessary. See "To Replace the Toner Cartridge" on page 6-1 for details.
	The Density setting of the printer console may be too dark.	Change the setting and try printing again.

Symptom	Cause	Remedy
Blurred back-ground 	The toner cartridge may be defective.	Remove the toner cartridge and check it for damage. Replace the toner cartridge if necessary. See “To Replace the Toner Cartridge” on page 6-1 for details.
Uneven print density 	The toner may be unevenly distributed inside the toner cartridge.	Remove the toner cartridge and rock it left and right a few times to distribute remaining toner. If the problem persists, replace the toner cartridge. See “To Replace the Toner Cartridge” on page 6-1 for details.
	The drum cartridge may be defective.	Remove the drum cartridge and check it for damage. Replace the drum cartridge if necessary. See “To Replace the Drum Cartridge” on page 6-6 for details.

Symptom	Cause	Remedy
Irregularities 	The paper may have absorbed some moisture due to high humidity or because of direct contact with water.	Since toner will not adhere well to wet paper, replace the paper you are using with dry paper and try printing again.
White or black line 	The toner cartridge or drum cartridge may be defective.	Remove the cartridges and check them for damage. Replace cartridges if necessary. See "To Replace the Toner Cartridge" on page 6-1 or "To Replace the Drum Cartridge" on page 6-6 for details.

Symptom	Cause	Remedy
Toner smudges 	The toner may be unevenly distributed inside the toner cartridge.	Remove the toner cartridge and rock it left and right a few times to distribute remaining toner. If the problem persists, replace the toner cartridge. See “To Replace the Toner Cartridge” on page 6-1 for details.
	The toner cartridge or drum cartridge may be defective.	Remove the cartridges and check them for damage. Replace the drum cartridge if necessary. See “To Replace the Toner Cartridge” on page 6-1 or “To Replace the Drum Cartridge” on page 6-6 for details.
	The paper feed roller is dirty.	Clean the paper feed roller. See “Cleaning the paper feed roller” on page 6-14 for details. If problems persist, contact your dealer.

No Output

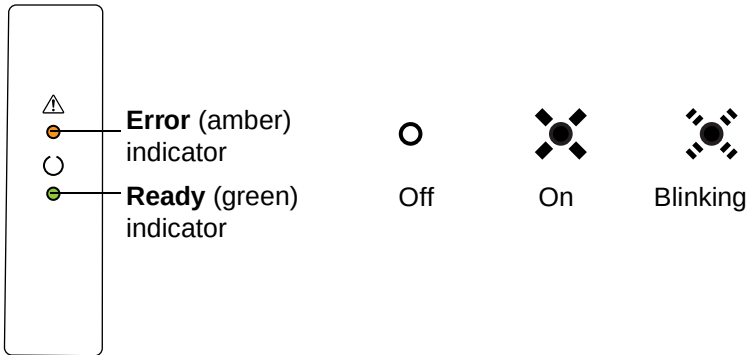
Symptom	Cause	Remedy
Failure to produce output	There is a communications problem between the printer and your computer.	Check printer cable type against the specifications in “Interface Connector and Cable” on page 8-5. Note ◆ When check the cable type, make sure that the printer and the computer you are connecting it to are both turned off. ◆ When connecting your computer to the parallel connector on the printer, we recommend using an IEEE1284 Type B-compliant interface cable. ◆ Be sure to exit Status Display before connecting the computer to the printer using a parallel cable. If problems persist, contact your dealer.

Print Quality Problems

Symptom	Cause	Remedy
		Check computer's communication ports settings. Refer to the documentation that comes with your computer and check if its current communications port settings are correct. If problems persist, contact the manufacturer of the your computer or the retailer from whom you purchased it to verify correct communication port settings.
		If the printer is connected directly to the parallel port of a computer running Windows 95 or Windows 98, either remove the Drvwppqt.vxd file from the folder C:\Windows\System\iosubsys or change the file's name (for example, to "Drvwppqt.old"). However, if a tape backup device is connected to the parallel port, do not perform the operation mentioned above.

Indicator Lights (Printer Messages)

The two indicator lights on the printer's control panel turn on, turn off, or blink in fixed patterns to let you know the current status of the printer. Refer to the following sections for descriptions of each indicator light pattern and the action you need to take when it occurs.



Indicator Light Patterns

The following are the three types of indicator light patterns produced on the control panel.

1. Standard status pattern

Shows the current printer status.

2. Operator call pattern

The printer stops processing and goes offline when this message is shown.

3. Call for service pattern

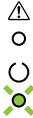
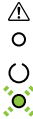
This pattern is shown when the printer detects a mechanical problem that requires service by an authorized technical representative. Call your dealer if this message is shown.

Indicator Lights (Printer Messages)

Note

- ◆ You can find out details of the printer’s status by checking the information that appears on your computer screen (see “Starting Up the Status Display” on page 5-12).

Standard Status Patterns

Indicators	Description	Indicators	Description
	Power is off.		Printer is ready. Warming up
	Power on initial setting.		Receiving data. Processing data. Printing
	(Slow blinking) Power save Mode.		

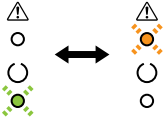
Operator Call Patterns

Indicators	Description	Action
	Top cover is open.	Close the top cover.
	Paper misfeed.	Clear the misfeed and continue printing.
	Out of paper.	Load paper onto the paper feed tray.
	Paper of the wrong size was fed into the printer.	Load paper of the appropriate size onto the paper feed tray and continue printing.

Indicator Lights (Printer Messages)

Call for Service Patterns

Whenever any of the indicator light patterns shown below appears, try turning the printer off and then back on again. If the problem persists, contact your dealer.

Indicators	Description	Action
	Engine communication error. Controller error. Engine error.	Turn off the printer and contact your dealer.
		

Chapter

Specifications

8

PagePro 1100L Printer

Type:	Desktop laser beam printer
Print system:	Electrostatic dry powder imaging system
Exposure system:	Laser diode + polygon mirror scanning
Resolution:	600 × 600 dpi, 300 × 300 dpi
Print speed:	10 pages per minute (A4/Letter-size print)
First print:	Within 19 seconds (A4/Letter-size print)
Warm-up time:	23 seconds or less
Paper sizes:	Standard size: A4, A5, JIS B5, Letter, Legal, Executive Commercial 10, Monarch, DL, C5, and B5 envelopes Non standard size: Widths: 76 mm to 216 mm (3 in. to 8-1/2 in.), Lengths: 127 mm to 356 mm (5 in. to 14 in.)
Media:	Plain paper: 60 to 90 g/m ² (16 to 24 lbs.) Recycled paper: 60 to 90 g/m ² (16 to 24 lbs.) Thick paper: 90 to 163 g/m ² (24 to 43-1/4 lbs.) Transparencies, Letterhead, Labels, Envelopes
Paper feeding:	Tray1(Multipurpose tray), Manual feed tray, Tray2 (Second cassette)(option)
Input capacity:	Tray1 (Multipurpose tray): 150 sheets

Output capacity:	Face-down tray: 100 sheets Face-up tray: 20 sheets
Operating temperature:	10°C to 35°C (50°F to 95°F) with fluctuation of 10°C (18°F) per hour
Operating humidity:	15% to 85% with fluctuation of 20% per hour
Toner cartridge life:	6,000 A4/Letter-size prints (black-to-white ratio of 5% or less) The toner cartridge that comes with the printer is capable of producing approximately 3,000 A4/Letter-size prints.
Drum cartridge life:	20,000 A4/Letter-size prints (black-to-white ratio of 5% or less)
Power supply:	220–240 V at 50–60 Hz
Power consumption:	700 W or less
Amperage:	3.0 A or less (220 V)
Interface:	Centronics Parallel (IEEE 1284/ECP)
CPU:	Mitsubishi M38073M4 12MHz
Standard memory:	4 MB
Options:	Second paper cassette unit, Face-up tray

External dimensions and weight (without second paper cassette unit)

Height:	262 mm (10-1/4 in.)
Width:	361 mm (14-1/4 in.)
Depth:	283 mm (11-1/4 in.)
Weight:	Approximately 7 kg (15-1/2 lbs.)

Second Paper Cassette Unit (Option)

Paper cassette:	Standard equipped: A4 Option: Letter, JIS B5, Legal, Executive
Media:	Plain paper: 60 to 90 g/m ² (16 to 24 lbs.) Recycled paper: 60 to 90 g/m ² (16 to 24 lbs.)
Paper feeding system:	One-way system (multi-feed tray)
Input capacity:	Up to 500 sheets

External dimensions and weight (without paper cassette):

Height:	125 mm (5 in.)
Width:	361 mm (14-1/4 in.)
Depth:	323 mm (12-3/4 in.)
Weight:	Approximately 4 kg (8-4/5 lbs.)

Interface Connector and Cable

Be sure to use only a parallel interface cable that meets the specifications described below.

Connectors:	Parallel 36-pin connector (printer) EIA 25-pin connector (computer)
Cable type:	Shielded. Each signal and ground pair should be twisted.
Pin assignments:	IEEE 1284 type-B connector

Note

- ♦ Minolta does not warrant the use of any particular cable. The user assumes all responsibility as to the quality and performance of the cable.

Appendix

Glossary

A

Glossary

The following definitions apply specifically to Minolta/QMS printers.

application

A software program that performs a particular function, such as generating graphics or spreadsheets.

ASCII

Acronym for American Standard Code for Information Interchange.

base weight

SEE *paper basis weight*.

bitmap

A text character or graphic image that is defined by a pattern of dots.

click

To press and release a mouse button quickly. Often used to select an object. SEE *double-click*.

control panel

A bank of indicators that show the current status of the printer.

default

Settings that are preset in the absence of user-specified settings.

dialog box

A box that appears in order for the user to input information or settings required for the printer to operate.

display

What appears upon the screen of the computer.

dpi

Acronym for dots per inch. Refers to the resolution that the printer can produce through the measure of dots printed per inch.

double-click

Pressing a mouse button twice in quick succession while keeping the mouse in place. Often used to open a dialog or enable a function.

SEE *click*.

drum cartridge

A part of the printer that picks up toner particles after they have been charged by the laser and then transfers the toner to the paper.

face-down tray

This tray receives the printed documents, face down, as they are outputted from the printer. The tray can hold up to 100 sheets of paper.

face-up tray

This tray receives the printed documents, face up, as they are outputted from the printer. The tray can hold up to 20 sheets of paper.

face-up/face-down selection switch

This switch is used to specify the facing (output) direction of documents as they are output from the printer. When the optional Face up tray is installed, the position of this switch determines whether documents are output from the printer facing up (to Face-up tray) or facing down (to Face-down tray).

500-Sheet Second Cassette

SEE *Tray 2*.

fusing unit

A part of the printer that fixes the toner image onto the paper.

gray scale

A series of shades ranging from black to white used to add detail to photo or scanned images, etc.

halftone

A printing technique using a pattern of dots to compose an image. Also known as dithering.

icon

A graphic image on the screen that represents an element.

image transfer roller

The part inside a page printer that transfers the image from the photoconductive drum to the paper.

laser printer

A high-resolution peripheral used to print text and graphics onto paper or other media. A rotating mirror is used to reflect laser beams onto a photosensitive drum; the image of the page is then transferred via electrostatic charged toner. The final image is fused onto a piece of charged paper using heat as it is rolled against the drum, setting the toner onto the paper (or other media).

manual feed tray

An external bay for loading paper into the printer manually.

N-up printing

A series of printer settings that produces multiple, reduced documents on one sheet of paper.

off line

A state in which the printer cannot receive data or perform any other operation.

on line

A state in which the printer can receive data and operate.

operating system

A program or group of programs that control the functions of the computer and its peripheral devices such as the printer.

paper basis weight

The standard for specifying paper weight. The metric standard, applicable to all grades of paper is gm/m^2 . The U.S. system for *basis weight* varies according to the grade of paper and is based upon a 500 sheet ream. The measurement of weight in the U.S. is pounds.

paper feed roller

A rolling mechanism that carries the paper through the various functions of the printer during the printing process.

paper guide(s)

Left and right sliding, adjustable holders that secure the paper onto the paper tray.

paper support

A expansion tray for long-sized paper to be placed on the Tray 1.

parallel interface

An output/input port utilizing multiple data circuitry.

parallel interface connector

A connector that enables the transfer of data between the printer and the computer.

peripheral device

Any device that can be attached to the computer, such as a printer.

power cord socket

Connects the power cord and the printer.

power switch

Turns power to the printer on and off.

printer

A peripheral device that outputs data from a computer onto paper or other media.

Printer Console

An application that manages the print queue and the printer settings.

printer driver

A software file that manages commands to the printer.

output tray

SEE *face down tray* and *face up tray*.

RAM

Acronym for random-access memory.

resolution

SEE *dpi*.

ROM

Acronym for read only memory.

second paper cassette unit

A tray unit that feeds an additional 500 sheets of paper to the printer.

toner

Ink in the form of a plastic powder that is contained in a cartridge.

toner cartridge

A tube shaped cartridge containing toner powder that is used during the printing process.

top cover

A cover attached to the printer that swings open by pressing a release button. Opening the cover provides easy access to the interior of the printer to perform basic maintenance procedures including the installation and replacement of toner/drum cartridges as well as clearing paper misfeeds.

top cover release button

This button releases the hinge that locks the cover of the printer.
SEE *top cover*.

Tray1

A tray that can hold up to 150 sheets of paper for feeding into the printer.

Tray2

Five types of Tray2 cassettes can be installed into the second paper cassette unit (SEE *second paper cassette unit*). Each cassette can hold up 500 sheets of one of the following paper sizes: A4, B5, Legal, Letter and Executive.

watermark

A superimposed line of text or graphic upon a printed document.

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